

QB

12

.U6

TABLE OF FACTORS
FOR
REDUCTION OF
TRANSIT OBSERVATIONS
LATITUDE
 $+38^{\circ} 55' 14''$



Class QB12

Book .46



TABLE OF FACTORS

FOR

REDUCTION OF TRANSIT OBSERVATIONS

LATITUDE

+38° 55' 14".1

at the Naval Observatory



WASHINGTON
GOVERNMENT PRINTING OFFICE
1916

QB12
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DEC 20 1916

δ	C	B	A	TAN δ	δ	C	B	A	TAN δ
-45° 0'	+1.414	+0.150	+1.406	-1.000	-35° 0'	+1.221	+0.338	+1.173	-0.700
-44 50	+1.410	+0.153	+1.402	-0.994	-34 50	+1.218	+0.341	+1.170	-0.696
40	1.406	0.157	1.397	0.988	40	1.216	0.344	1.166	0.692
30	1.402	0.161	1.393	0.983	30	1.213	0.346	1.163	0.687
20	1.398	0.164	1.388	0.977	20	1.211	0.349	1.160	0.683
10	1.394	0.168	1.384	0.971	10	1.209	0.352	1.156	0.679
0	1.390	0.171	1.380	0.966	0	1.206	0.354	1.153	0.675
-43 50	+1.386	+0.175	+1.375	-0.960	-33 50	+1.204	+0.357	+1.150	-0.670
40	1.382	0.178	1.371	0.955	40	1.202	0.360	1.146	0.666
30	1.379	0.182	1.366	0.949	30	1.199	0.362	1.143	0.662
20	1.375	0.185	1.362	0.943	20	1.197	0.365	1.140	0.658
10	1.371	0.189	1.358	0.938	10	1.195	0.367	1.137	0.654
0	1.367	0.192	1.354	0.933	0	1.192	0.370	1.133	0.649
-42 50	+1.364	+0.196	+1.350	-0.927	-32 50	+1.190	+0.373	+1.130	-0.645
40	1.360	0.199	1.345	0.922	40	1.188	0.375	1.127	0.641
30	1.356	0.202	1.341	0.916	30	1.186	0.378	1.124	0.637
20	1.353	0.206	1.337	0.911	20	1.184	0.380	1.121	0.633
10	1.349	0.209	1.333	0.906	10	1.181	0.383	1.118	0.629
0	1.346	0.212	1.329	0.900	0	1.179	0.385	1.114	0.625
-41 50	+1.342	+0.216	+1.325	-0.895	-31 50	+1.177	+0.388	+1.111	-0.621
40	1.339	0.219	1.321	0.890	40	1.175	0.390	1.108	0.617
30	1.335	0.222	1.316	0.885	30	1.173	0.393	1.105	0.613
20	1.332	0.225	1.312	0.880	20	1.171	0.396	1.102	0.609
10	1.328	0.229	1.308	0.874	10	1.169	0.398	1.099	0.605
0	1.325	0.232	1.304	0.869	0	1.167	0.400	1.096	0.601
-40 50	+1.322	+0.235	+1.301	-0.864	-30 50	+1.165	+0.403	+1.093	-0.597
40	1.318	0.238	1.297	0.859	40	1.163	0.406	1.090	0.593
30	1.315	0.241	1.293	0.854	30	1.161	0.408	1.086	0.589
20	1.312	0.245	1.289	0.849	20	1.159	0.410	1.083	0.585
10	1.309	0.248	1.285	0.844	10	1.157	0.413	1.080	0.581
0	1.305	0.251	1.281	0.839	0	1.155	0.415	1.077	0.577
-39 50	+1.302	+0.254	+1.277	-0.834	-29 50	+1.153	+0.418	+1.074	-0.573
40	1.299	0.257	1.273	0.829	40	1.151	0.420	1.071	0.570
30	1.296	0.260	1.270	0.824	30	1.149	0.422	1.068	0.566
20	1.293	0.263	1.266	0.819	20	1.147	0.425	1.065	0.562
10	1.290	0.266	1.262	0.815	10	1.145	0.427	1.062	0.558
0	1.287	0.269	1.258	0.810	0	1.143	0.430	1.059	0.554
-38 50	+1.284	+0.272	+1.254	-0.805	-28 50	+1.142	+0.432	+1.056	-0.551
40	1.281	0.275	1.251	0.800	40	1.140	0.434	1.054	0.547
30	1.278	0.278	1.247	0.795	30	1.138	0.437	1.051	0.543
20	1.275	0.281	1.244	0.791	20	1.136	0.439	1.048	0.539
10	1.272	0.284	1.240	0.786	10	1.134	0.442	1.045	0.535
0	1.269	0.287	1.236	0.781	0	1.133	0.444	1.042	0.532
-37 50	+1.266	+0.290	+1.232	-0.777	-27 50	+1.131	+0.446	+1.039	-0.528
40	1.263	0.293	1.229	0.772	40	1.129	0.449	1.036	0.524
30	1.260	0.296	1.225	0.767	30	1.127	0.451	1.033	0.521
20	1.258	0.299	1.222	0.763	20	1.126	0.453	1.030	0.517
10	1.255	0.302	1.218	0.758	10	1.124	0.456	1.028	0.513
0	1.252	0.305	1.214	0.754	0	1.122	0.458	1.025	0.510
-36 50	+1.249	+0.307	+1.211	-0.749	-26 50	+1.121	+0.460	+1.022	-0.506
40	1.247	0.310	1.207	0.744	40	1.119	0.462	1.019	0.502
30	1.244	0.313	1.204	0.740	30	1.117	0.465	1.016	0.499
20	1.241	0.316	1.200	0.735	20	1.116	0.467	1.013	0.495
10	1.239	0.319	1.197	0.731	10	1.114	0.469	1.010	0.491
0	1.236	0.322	1.193	0.727	0	1.113	0.472	1.008	0.488
-35 50	+1.233	+0.324	+1.190	-0.722	-25 50	+1.111	+0.474	+1.005	-0.484
40	1.231	0.327	1.187	0.718	40	1.109	0.476	1.002	0.481
30	1.228	0.330	1.183	0.713	30	1.108	0.478	0.999	0.477
20	1.226	0.333	1.180	0.709	20	1.106	0.481	0.996	0.473
10	1.223	0.335	1.176	0.705	10	1.105	0.483	0.994	0.470
0	1.221	0.338	1.173	0.700	0	1.103	0.485	0.991	0.466

δ	C	B	A	TAN δ	δ	C	B	A	TAN δ
-25° 0'	+1.103	+0.485	+0.991	-0.466	-15° 0'	+1.035	+0.610	+0.837	-0.268
-24 50	+1.102	+0.487	+0.988	-0.463	-14 50	+1.034	+0.612	+0.834	-0.265
40	1.100	0.490	0.986	0.459	40	1.034	0.614	0.832	0.262
30	1.099	0.492	0.983	0.456	30	1.033	0.616	0.829	0.259
20	1.097	0.494	0.980	0.452	20	1.032	0.618	0.827	0.256
10	1.096	0.496	0.977	0.449	10	1.031	0.619	0.825	0.252
0	1.095	0.498	0.975	0.445	0	1.031	0.621	0.822	0.249
-23 50	+1.093	+0.500	+0.972	-0.442	-13 50	+1.030	+0.623	+0.820	-0.246
40	1.092	0.503	0.969	0.438	40	1.029	0.625	0.818	0.243
30	1.090	0.505	0.966	0.435	30	1.028	0.627	0.815	0.240
20	1.089	0.507	0.964	0.431	20	1.028	0.629	0.813	0.237
10	1.088	0.509	0.961	0.428	10	1.027	0.631	0.810	0.234
0	1.086	0.511	0.958	0.424	0	1.026	0.633	0.808	0.231
-22 50	+1.085	+0.514	+0.956	-0.421	-12 50	+1.026	+0.635	+0.805	-0.228
40	1.084	0.516	0.953	0.418	40	1.025	0.637	0.803	0.225
30	1.082	0.518	0.950	0.414	30	1.024	0.639	0.801	0.222
20	1.081	0.520	0.948	0.411	20	1.024	0.641	0.798	0.219
10	1.080	0.522	0.945	0.407	10	1.023	0.643	0.796	0.216
0	1.079	0.524	0.942	0.404	0	1.022	0.644	0.794	0.213
-21 50	+1.077	+0.526	+0.940	-0.401	-11 50	+1.022	+0.646	+0.791	-0.210
40	1.076	0.528	0.937	0.397	40	1.021	0.648	0.789	0.206
30	1.075	0.530	0.935	0.394	30	1.020	0.650	0.786	0.203
20	1.074	0.533	0.932	0.391	20	1.020	0.652	0.784	0.200
10	1.072	0.535	0.929	0.387	10	1.019	0.654	0.782	0.197
0	1.071	0.537	0.927	0.384	0	1.019	0.656	0.779	0.194
-20 50	+1.070	+0.539	+0.924	-0.381	-10 50	+1.018	+0.658	+0.777	-0.191
40	1.069	0.541	0.922	0.377	40	1.018	0.660	0.775	0.188
30	1.068	0.543	0.919	0.374	30	1.017	0.662	0.772	0.185
20	1.066	0.545	0.916	0.371	20	1.016	0.664	0.770	0.182
10	1.065	0.547	0.914	0.367	10	1.016	0.665	0.768	0.179
0	1.064	0.549	0.911	0.364	0	1.015	0.667	0.765	0.176
-19 50	+1.063	+0.551	+0.909	-0.361	-9 50	+1.015	+0.669	+0.763	-0.173
40	1.062	0.554	0.906	0.357	40	1.014	0.671	0.761	0.170
30	1.061	0.556	0.904	0.354	30	1.014	0.673	0.758	0.167
20	1.060	0.558	0.901	0.351	20	1.013	0.675	0.756	0.164
10	1.059	0.560	0.899	0.348	10	1.013	0.677	0.754	0.161
0	1.058	0.562	0.896	0.344	0	1.012	0.678	0.751	0.158
-18 50	+1.057	+0.564	+0.894	-0.341	-8 50	+1.012	+0.680	+0.749	-0.155
40	1.056	0.566	0.891	0.338	40	1.012	0.682	0.747	0.152
30	1.054	0.568	0.888	0.335	30	1.011	0.684	0.744	0.149
20	1.053	0.570	0.886	0.331	20	1.011	0.686	0.742	0.146
10	1.052	0.572	0.884	0.328	10	1.010	0.688	0.740	0.144
0	1.051	0.574	0.881	0.325	0	1.010	0.690	0.738	0.141
-17 50	+1.050	+0.576	+0.878	-0.322	-7 50	+1.009	+0.692	+0.735	-0.138
40	1.049	0.578	0.876	0.318	40	1.009	0.693	0.733	0.135
30	1.049	0.580	0.874	0.315	30	1.009	0.695	0.731	0.132
20	1.048	0.582	0.871	0.312	20	1.008	0.697	0.728	0.129
10	1.047	0.584	0.868	0.309	10	1.008	0.699	0.726	0.126
0	1.046	0.586	0.866	0.306	0	1.008	0.701	0.724	0.123
-16 50	+1.045	+0.588	+0.864	-0.303	-6 50	+1.007	+0.703	+0.721	-0.120
40	1.044	0.590	0.861	0.299	40	1.007	0.705	0.719	0.117
30	1.043	0.592	0.859	0.296	30	1.006	0.706	0.717	0.114
20	1.042	0.594	0.856	0.293	20	1.006	0.708	0.715	0.111
10	1.041	0.596	0.854	0.290	10	1.006	0.710	0.712	0.108
0	1.040	0.598	0.851	0.287	0	1.006	0.712	0.710	0.105
-15 50	+1.039	+0.600	+0.849	-0.284	-5 50	+1.005	+0.714	+0.708	-0.102
40	1.039	0.602	0.846	0.280	40	1.005	0.716	0.706	0.099
30	1.038	0.604	0.844	0.277	30	1.005	0.718	0.703	0.096
20	1.037	0.606	0.842	0.274	20	1.004	0.719	0.701	0.093
10	1.036	0.608	0.839	0.271	10	1.004	0.721	0.698	0.090
0	1.035	0.610	0.837	0.268	0	1.004	0.723	0.696	0.087

δ	C	B	A	TAN δ	δ	C	B	A	TAN δ
- 5° 0'	+1.004	+0.723	+0.696	-0.087	+ 4° 50'	+1.004	+0.831	+0.562	+0.085
- 4 50	+1.004	+0.725	+0.694	-0.085	+ 5 0	+1.004	+0.833	+0.560	+0.087
40	1.003	0.727	0.692	0.082	10	1.004	0.835	0.558	0.090
30	1.003	0.729	0.689	0.079	20	1.004	0.837	0.556	0.093
20	1.003	0.730	0.687	0.076	30	1.005	0.838	0.553	0.096
10	1.003	0.732	0.685	0.073	40	1.005	0.840	0.551	0.099
0	1.002	0.734	0.682	0.070	50	1.005	0.842	0.549	0.102
- 3 50	+1.002	+0.736	+0.680	-0.067	+ 6 0	+1.006	+0.844	+0.546	+0.105
40	1.002	0.738	0.678	0.064	10	1.006	0.846	0.544	0.108
30	1.002	0.740	0.676	0.061	20	1.006	0.848	0.542	0.111
20	1.002	0.741	0.674	0.058	30	1.006	0.850	0.540	0.114
10	1.002	0.743	0.671	0.055	40	1.007	0.851	0.537	0.117
0	1.001	0.745	0.669	0.052	50	1.007	0.853	0.535	0.120
- 2 50	+1.001	+0.747	+0.667	-0.049	+ 7 0	+1.008	+0.855	+0.533	+0.123
40	1.001	0.749	0.664	0.047	10	1.008	0.857	0.530	0.126
30	1.001	0.750	0.662	0.044	20	1.008	0.859	0.528	0.129
20	1.001	0.752	0.660	0.041	30	1.009	0.861	0.526	0.132
10	1.001	0.754	0.658	0.038	40	1.009	0.863	0.524	0.135
0	1.001	0.756	0.655	0.035	50	1.009	0.864	0.521	0.138
- 1 50	+1.001	+0.758	+0.653	-0.032	+ 8 0	+1.010	+0.866	+0.519	+0.141
40	1.000	0.760	0.651	0.029	10	1.010	0.868	0.517	0.144
30	1.000	0.762	0.649	0.026	20	1.011	0.870	0.514	0.146
20	1.000	0.763	0.646	0.023	30	1.011	0.872	0.512	0.149
10	1.000	0.765	0.644	0.020	40	1.012	0.874	0.510	0.152
0	1.000	0.767	0.642	0.017	50	1.012	0.876	0.507	0.155
- 0 50	+1.000	+0.769	+0.640	-0.015	+ 9 0	+1.012	+0.878	+0.505	+0.158
40	1.000	0.771	0.637	0.012	10	1.013	0.879	0.503	0.161
30	1.000	0.772	0.635	0.009	20	1.013	0.881	0.500	0.164
20	1.000	0.774	0.633	0.006	30	1.014	0.883	0.498	0.167
10	1.000	0.776	0.630	-0.003	40	1.014	0.885	0.496	0.170
0	1.000	0.778	0.628	0.000	50	1.015	0.887	0.493	0.173
+ 0 0	+1.000	+0.778	+0.628	0.000	+10 0	+1.015	+0.889	+0.491	+0.176
10	1.000	0.780	0.626	+0.003	10	1.016	0.891	0.489	0.179
20	1.000	0.782	0.624	0.006	20	1.016	0.892	0.486	0.182
30	1.000	0.784	0.621	0.009	30	1.017	0.894	0.484	0.185
40	1.000	0.785	0.619	0.012	40	1.018	0.896	0.482	0.188
50	1.000	0.787	0.617	0.015	50	1.018	0.898	0.479	0.191
+ 1 0	+1.000	+0.789	+0.615	+0.017	+11 0	+1.019	+0.900	+0.477	+0.194
10	1.000	0.791	0.612	0.020	10	1.019	0.902	0.475	0.197
20	1.000	0.793	0.610	0.023	20	1.020	0.904	0.472	0.200
30	1.000	0.794	0.608	0.026	30	1.020	0.906	0.470	0.203
40	1.000	0.796	0.606	0.029	40	1.021	0.908	0.468	0.206
50	1.001	0.798	0.603	0.032	50	1.022	0.910	0.465	0.210
+ 2 0	+1.001	+0.800	+0.601	+0.035	+12 0	+1.022	+0.912	+0.463	+0.213
10	1.001	0.802	0.599	0.038	10	1.023	0.913	0.460	0.216
20	1.001	0.804	0.596	0.041	20	1.024	0.915	0.458	0.219
30	1.001	0.806	0.594	0.044	30	1.024	0.917	0.456	0.222
40	1.001	0.807	0.592	0.047	40	1.025	0.919	0.453	0.225
50	1.001	0.809	0.590	0.049	50	1.026	0.921	0.451	0.228
+ 3 0	+1.001	+0.811	+0.587	+0.052	+13 0	+1.026	+0.923	+0.449	+0.231
10	1.002	0.813	0.585	0.055	10	1.027	0.925	0.446	0.234
20	1.002	0.815	0.583	0.058	20	1.028	0.927	0.444	0.237
30	1.002	0.816	0.581	0.061	30	1.028	0.929	0.441	0.240
40	1.002	0.818	0.578	0.064	40	1.029	0.931	0.439	0.243
50	1.002	0.820	0.576	0.067	50	1.030	0.933	0.437	0.246
+ 4 0	+1.002	+0.822	+0.574	+0.070	+14 0	+1.031	+0.935	+0.434	+0.249
10	1.003	0.824	0.572	0.073	10	1.031	0.937	0.432	0.252
20	1.003	0.826	0.569	0.076	20	1.032	0.938	0.429	0.256
30	1.003	0.827	0.567	0.079	30	1.033	0.940	0.427	0.259
40	1.003	0.829	0.565	0.082	40	1.034	0.942	0.425	0.262
50	1.004	0.831	0.562	0.085	50	1.034	0.944	0.422	0.265

δ	C	B	A	TAN δ	δ	C	B	A	TAN δ
+15° 0'	+1.035	+0.946	+0.420	+0.268	+25° 0'	+1.103	+1.071	+0.265	+0.466
10	1.036	0.948	0.417	0.271	10	1.105	1.073	0.263	0.470
20	1.037	0.950	0.415	0.274	20	1.106	1.075	0.260	0.473
30	1.038	0.952	0.412	0.277	30	1.108	1.078	0.257	0.477
40	1.039	0.954	0.410	0.280	40	1.109	1.080	0.254	0.481
50	1.039	0.956	0.408	0.284	50	1.111	1.082	0.252	0.484
+16 0	+1.040	+0.958	+0.405	+0.287	+26 0	+1.113	+1.084	+0.249	+0.488
10	1.041	0.960	0.403	0.290	10	1.114	1.087	0.246	0.491
20	1.042	0.962	0.400	0.293	20	1.116	1.089	0.243	0.495
30	1.043	0.964	0.398	0.296	30	1.117	1.091	0.240	0.499
40	1.044	0.966	0.395	0.299	40	1.119	1.094	0.238	0.502
50	1.045	0.968	0.393	0.303	50	1.121	1.096	0.235	0.506
+17 0	+1.046	+0.970	+0.390	+0.306	+27 0	+1.122	+1.098	+0.232	+0.510
10	1.047	0.972	0.388	0.309	10	1.124	1.100	0.229	0.513
20	1.048	0.974	0.385	0.312	20	1.126	1.103	0.226	0.517
30	1.049	0.976	0.383	0.315	30	1.127	1.105	0.223	0.521
40	1.049	0.978	0.380	0.318	40	1.129	1.107	0.220	0.524
50	1.050	0.980	0.378	0.322	50	1.131	1.110	0.217	0.528
+18 0	+1.051	+0.982	+0.375	+0.325	+28 0	+1.133	+1.112	+0.214	+0.532
10	1.052	0.984	0.373	0.328	10	1.134	1.114	0.212	0.535
20	1.053	0.986	0.370	0.331	20	1.136	1.117	0.209	0.539
30	1.054	0.988	0.368	0.335	30	1.138	1.119	0.206	0.543
40	1.056	0.990	0.365	0.338	40	1.140	1.122	0.203	0.547
50	1.057	0.992	0.363	0.341	50	1.142	1.124	0.200	0.551
+19 0	+1.058	+0.994	+0.360	+0.344	+29 0	+1.143	+1.126	+0.197	+0.554
10	1.059	0.996	0.358	0.348	10	1.145	1.128	0.194	0.558
20	1.060	0.998	0.355	0.351	20	1.147	1.131	0.191	0.562
30	1.061	1.000	0.352	0.354	30	1.149	1.134	0.188	0.566
40	1.062	1.002	0.350	0.357	40	1.151	1.136	0.185	0.570
50	1.063	1.005	0.348	0.361	50	1.153	1.138	0.182	0.573
+20 0	+1.064	+1.007	+0.345	+0.364	+30 0	+1.155	+1.141	+0.179	+0.577
10	1.065	1.009	0.342	0.367	10	1.157	1.143	0.176	0.581
20	1.066	1.011	0.340	0.371	20	1.159	1.146	0.173	0.585
30	1.068	1.013	0.337	0.374	30	1.161	1.148	0.170	0.589
40	1.069	1.015	0.335	0.377	40	1.163	1.150	0.167	0.593
50	1.070	1.017	0.332	0.381	50	1.165	1.153	0.164	0.597
+21 0	+1.071	+1.019	+0.330	+0.384	+31 0	+1.167	+1.156	+0.161	+0.601
10	1.072	1.021	0.327	0.387	10	1.169	1.158	0.158	0.605
20	1.074	1.023	0.324	0.391	20	1.171	1.160	0.154	0.609
30	1.075	1.026	0.322	0.394	30	1.173	1.163	0.151	0.613
40	1.076	1.028	0.319	0.397	40	1.175	1.166	0.148	0.617
50	1.077	1.030	0.316	0.401	50	1.177	1.168	0.145	0.621
+22 0	+1.079	+1.032	+0.314	+0.404	+32 0	+1.179	+1.171	+0.142	+0.625
10	1.080	1.034	0.311	0.407	10	1.181	1.173	0.139	0.629
20	1.081	1.036	0.309	0.411	20	1.184	1.176	0.136	0.633
30	1.082	1.038	0.306	0.414	30	1.186	1.178	0.132	0.637
40	1.084	1.040	0.303	0.418	40	1.188	1.181	0.129	0.641
50	1.085	1.042	0.301	0.421	50	1.190	1.183	0.126	0.645
+23 0	+1.086	+1.045	+0.298	+0.424	+33 0	+1.192	+1.186	+0.123	+0.649
10	1.088	1.047	0.295	0.428	10	1.195	1.189	0.120	0.654
20	1.089	1.049	0.293	0.431	20	1.197	1.191	0.116	0.658
30	1.090	1.051	0.290	0.435	30	1.199	1.194	0.113	0.662
40	1.092	1.053	0.287	0.438	40	1.202	1.196	0.110	0.666
50	1.093	1.056	0.284	0.442	50	1.204	1.199	0.107	0.670
+24 0	+1.095	+1.058	+0.282	+0.445	+34 0	+1.206	+1.202	+0.104	+0.675
10	1.096	1.060	0.279	0.449	10	1.209	1.204	0.100	0.679
20	1.097	1.062	0.277	0.452	20	1.211	1.207	0.097	0.683
30	1.099	1.064	0.274	0.456	30	1.213	1.210	0.094	0.687
40	1.100	1.066	0.271	0.459	40	1.216	1.212	0.090	0.692
50	1.102	1.069	0.268	0.463	50	1.218	1.215	0.087	0.696
+25 0	+1.103	+1.071	+0.265	+0.466	+35 0	+1.221	+1.218	+0.083	+0.700

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+35° 0'	+1.221	+1.218	+0.083	+0.700	+45° 0'	+1.414	+1.406	-0.150	+1.000
10	1.223	1.221	0.080	0.705	10	1.418	1.410	0.154	1.006
20	1.226	1.223	0.077	0.709	20	1.423	1.414	0.159	1.012
30	1.228	1.226	0.073	0.713	30	1.427	1.417	0.164	1.018
40	1.231	1.229	0.070	0.718	40	1.431	1.421	0.168	1.024
50	1.233	1.232	0.066	0.722	50	1.435	1.425	0.173	1.030
+36 0	+1.236	+1.234	+0.063	+0.727	+46 0	+1.440	+1.428	-0.177	+1.036
10	1.239	1.237	0.060	0.731	10	1.444	1.432	0.182	1.042
20	1.241	1.240	0.056	0.735	20	1.448	1.436	0.187	1.048
30	1.244	1.243	0.052	0.740	30	1.453	1.440	0.192	1.054
40	1.247	1.246	0.049	0.744	40	1.457	1.444	0.196	1.060
50	1.249	1.249	0.046	0.749	50	1.462	1.448	0.201	1.066
+37 0	+1.252	+1.251	+0.042	+0.754	+47 0	+1.466	+1.452	-0.206	+1.072
10	1.255	1.254	0.038	0.758	10	1.471	1.456	0.211	1.079
20	1.258	1.257	0.035	0.763	20	1.476	1.460	0.216	1.085
30	1.260	1.260	0.031	0.767	30	1.480	1.464	0.221	1.091
40	1.263	1.263	0.028	0.772	40	1.485	1.468	0.226	1.098
50	1.266	1.266	0.024	0.777	50	1.490	1.472	0.231	1.104
+38 0	+1.269	+1.269	+0.020	+0.781	+48 0	+1.494	+1.476	-0.236	+1.111
10	1.272	1.272	0.017	0.786	10	1.499	1.480	0.241	1.117
20	1.275	1.275	0.013	0.791	20	1.504	1.484	0.246	1.124
30	1.278	1.278	0.009	0.795	30	1.509	1.488	0.251	1.130
40	1.281	1.281	0.006	0.800	40	1.514	1.492	0.256	1.137
50	1.284	1.284	+0.002	0.805	50	1.519	1.496	0.262	1.144
+39 0	+1.287	+1.287	-0.002	+0.810	+49 0	+1.524	+1.501	-0.267	+1.150
10	1.290	1.290	0.006	0.815	10	1.529	1.505	0.272	1.157
20	1.293	1.293	0.009	0.819	20	1.535	1.509	0.277	1.164
30	1.296	1.296	0.013	0.824	30	1.540	1.514	0.283	1.171
40	1.299	1.299	0.017	0.829	40	1.545	1.518	0.288	1.178
50	1.302	1.302	0.021	0.834	50	1.550	1.522	0.294	1.185
+40 0	+1.305	+1.305	-0.025	+0.839	+50 0	+1.556	+1.527	-0.299	+1.192
10	1.309	1.308	0.028	0.844	10	1.561	1.531	0.304	1.199
20	1.312	1.311	0.032	0.849	20	1.567	1.536	0.310	1.206
30	1.315	1.315	0.036	0.854	30	1.572	1.540	0.316	1.213
40	1.318	1.318	0.040	0.859	40	1.578	1.545	0.321	1.220
50	1.322	1.321	0.044	0.864	50	1.583	1.549	0.327	1.228
+41 0	+1.325	+1.324	-0.048	+0.869	+51 0	+1.589	+1.554	-0.333	+1.235
10	1.328	1.327	0.052	0.874	10	1.595	1.558	0.338	1.242
20	1.332	1.331	0.056	0.880	20	1.601	1.563	0.344	1.250
30	1.335	1.334	0.060	0.885	30	1.606	1.568	0.350	1.257
40	1.339	1.337	0.064	0.890	40	1.612	1.572	0.356	1.265
50	1.342	1.340	0.068	0.895	50	1.618	1.577	0.362	1.272
+42 0	+1.346	+1.344	-0.072	+0.900	+52 0	+1.624	+1.582	-0.368	+1.280
10	1.349	1.347	0.076	0.906	10	1.630	1.587	0.374	1.288
20	1.353	1.350	0.081	0.911	20	1.636	1.592	0.380	1.295
30	1.356	1.354	0.085	0.916	30	1.643	1.597	0.386	1.303
40	1.360	1.357	0.089	0.922	40	1.649	1.602	0.392	1.311
50	1.364	1.360	0.093	0.927	50	1.655	1.607	0.398	1.319
+43 0	+1.367	+1.364	-0.097	+0.933	+53 0	+1.662	+1.612	-0.404	+1.327
10	1.371	1.367	0.102	0.938	10	1.668	1.617	0.410	1.335
20	1.375	1.371	0.106	0.943	20	1.675	1.622	0.417	1.343
30	1.379	1.374	0.110	0.949	30	1.681	1.627	0.423	1.351
40	1.382	1.378	0.114	0.955	40	1.688	1.632	0.430	1.360
50	1.386	1.381	0.119	0.960	50	1.695	1.637	0.436	1.368
+44 0	+1.390	+1.385	-0.123	+0.966	+54 0	+1.701	+1.643	-0.443	+1.376
10	1.394	1.388	0.128	0.971	10	1.708	1.648	0.449	1.385
20	1.398	1.392	0.132	0.977	20	1.715	1.653	0.456	1.393
30	1.402	1.395	0.136	0.983	30	1.722	1.659	0.462	1.402
40	1.406	1.399	0.141	0.988	40	1.729	1.664	0.469	1.411
50	1.410	1.403	0.145	0.994	50	1.736	1.670	0.476	1.419
+45 0	+1.414	+1.406	-0.150	+1.000	+55 0	+1.743	+1.675	-0.483	+1.428

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+55° 0'	+1.743	+1.675	-0.483	+1.428	+55° 0'	-1.743	-0.121	+1.739	-1.428
10	1.751	1.681	0.490	1.437	10	1.751	0.125	1.746	1.437
20	1.758	1.686	0.497	1.446	20	1.758	0.130	1.753	1.446
30	1.766	1.692	0.504	1.455	30	1.766	0.136	1.760	1.455
40	1.773	1.698	0.511	1.464	40	1.773	0.142	1.767	1.464
50	1.781	1.704	0.518	1.473	50	1.781	0.148	1.774	1.473
+56 0	+1.788	+1.709	-0.525	+1.483	+56 0	-1.788	-0.153	+1.782	-1.483
10	1.796	1.715	0.532	1.492	10	1.796	0.159	1.789	1.492
20	1.804	1.721	0.540	1.501	20	1.804	0.165	1.796	1.501
30	1.812	1.727	0.547	1.511	30	1.812	0.171	1.804	1.511
40	1.820	1.733	0.555	1.520	40	1.820	0.177	1.811	1.520
50	1.828	1.739	0.562	1.530	50	1.828	0.183	1.819	1.530
+57 0	+1.836	+1.745	-0.570	+1.540	+57 0	-1.836	-0.189	+1.826	-1.540
10	1.844	1.752	0.578	1.550	10	1.844	0.196	1.834	1.550
20	1.853	1.758	0.585	1.560	20	1.853	0.202	1.842	1.560
30	1.861	1.764	0.593	1.570	30	1.861	0.208	1.850	1.570
40	1.870	1.770	0.601	1.580	40	1.870	0.214	1.857	1.580
50	1.878	1.777	0.609	1.590	50	1.878	0.221	1.865	1.590
+58 0	+1.887	+1.783	-0.617	+1.600	+58 0	-1.887	-0.227	+1.873	-1.600
10	1.896	1.790	0.625	1.611	10	1.896	0.234	1.881	1.611
20	1.905	1.796	0.633	1.621	20	1.905	0.240	1.890	1.621
30	1.914	1.803	0.641	1.632	30	1.914	0.247	1.898	1.632
40	1.923	1.810	0.650	1.643	40	1.923	0.254	1.906	1.643
50	1.932	1.817	0.658	1.653	50	1.932	0.261	1.915	1.653
+59 0	+1.942	+1.824	-0.667	+1.664	+59 0	-1.942	-0.268	+1.923	-1.664
10	1.951	1.831	0.675	1.675	10	1.951	0.275	1.932	1.675
20	1.961	1.838	0.684	1.686	20	1.961	0.282	1.940	1.686
30	1.970	1.845	0.693	1.698	30	1.970	0.289	1.949	1.698
40	1.980	1.852	0.701	1.709	40	1.980	0.296	1.958	1.709
50	1.990	1.859	0.710	1.720	50	1.990	0.303	1.967	1.720
+60 0	+2.000	+1.866	-0.719	+1.732	+60 0	-2.000	-0.310	+1.976	-1.732
10	2.010	1.874	0.728	1.744	10	2.010	0.318	1.985	1.744
20	2.020	1.881	0.738	1.756	20	2.020	0.325	1.994	1.756
30	2.031	1.888	0.747	1.767	30	2.031	0.332	2.003	1.767
40	2.041	1.896	0.756	1.780	40	2.041	0.340	2.013	1.780
50	2.052	1.904	0.766	1.792	50	2.052	0.348	2.022	1.792
+61 0	+2.063	+1.911	-0.775	+1.804	+61 0	-2.063	-0.355	+2.032	-1.804
10	2.074	1.919	0.785	1.816	10	2.074	0.363	2.042	1.816
20	2.085	1.927	0.795	1.829	20	2.085	0.371	2.051	1.829
30	2.096	1.935	0.805	1.842	30	2.096	0.379	2.061	1.842
40	2.107	1.943	0.815	1.855	40	2.107	0.387	2.071	1.855
50	2.118	1.951	0.825	1.868	50	2.118	0.395	2.081	1.868
+62 0	+2.130	+1.960	-0.835	+1.881	+62 0	-2.130	-0.404	+2.091	-1.881
10	2.142	1.968	0.845	1.894	10	2.142	0.412	2.102	1.894
20	2.154	1.976	0.856	1.907	20	2.154	0.420	2.112	1.907
30	2.166	1.985	0.866	1.921	30	2.166	0.429	2.123	1.921
40	2.178	1.994	0.877	1.935	40	2.178	0.438	2.133	1.935
50	2.190	2.002	0.888	1.949	50	2.190	0.446	2.144	1.949
+63 0	+2.203	+2.011	-0.899	+1.963	+63 0	-2.203	-0.455	+2.155	-1.963
10	2.215	2.020	0.910	1.977	10	2.215	0.464	2.166	1.977
20	2.228	2.029	0.921	1.991	20	2.228	0.473	2.177	1.991
30	2.241	2.038	0.932	2.006	30	2.241	0.482	2.189	2.006
40	2.254	2.047	0.944	2.020	40	2.254	0.491	2.200	2.020
50	2.268	2.057	0.955	2.035	50	2.268	0.501	2.212	2.035
+64 0	+2.281	+2.066	-0.967	+2.050	+64 0	-2.281	-0.510	+2.223	-2.050
10	2.295	2.076	0.979	2.066	10	2.295	0.520	2.235	2.066
20	2.309	2.085	0.991	2.081	20	2.309	0.529	2.247	2.081
30	2.323	2.095	1.003	2.097	30	2.323	0.539	2.259	2.097
40	2.337	2.105	1.015	2.112	40	2.337	0.549	2.272	2.112
50	2.352	2.115	1.028	2.128	50	2.352	0.559	2.284	2.128
+65 0	+2.366	+2.125	-1.040	+2.145	+65 0	-2.366	-0.569	+2.297	-2.145

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ s. p.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+65° 0'	+2.366	+2.125	-1.040	+2.145	+65° 0'	-2.366	-0.569	+2.297	-2.145
10	2.381	2.136	1.053	2.161	10	2.381	0.580	2.309	2.161
20	2.396	2.146	1.066	2.177	20	2.396	0.590	2.322	2.177
30	2.411	2.157	1.079	2.194	30	2.411	0.601	2.335	2.194
40	2.427	2.167	1.092	2.211	40	2.427	0.611	2.349	2.211
50	2.443	2.178	1.106	2.229	50	2.443	0.622	2.362	2.229
+66 0	+2.459	+2.189	-1.119	+2.246	+66 0	-2.459	-0.633	+2.376	-2.246
10	2.475	2.200	1.133	2.264	10	2.475	0.644	2.389	2.264
20	2.491	2.212	1.147	2.282	20	2.491	0.656	2.403	2.282
30	2.508	2.223	1.161	2.300	30	2.508	0.667	2.418	2.300
40	2.525	2.234	1.176	2.318	40	2.525	0.678	2.432	2.318
50	2.542	2.246	1.190	2.337	50	2.542	0.690	2.446	2.337
+67 0	+2.559	+2.258	-1.205	+2.356	+67 0	-2.559	-0.702	+2.461	-2.356
10	2.577	2.270	1.220	2.375	10	2.577	0.714	2.476	2.375
20	2.595	2.282	1.235	2.394	20	2.595	0.726	2.491	2.394
30	2.613	2.295	1.250	2.414	30	2.613	0.739	2.506	2.414
40	2.632	2.307	1.266	2.434	40	2.632	0.751	2.522	2.434
50	2.650	2.320	1.281	2.455	50	2.650	0.764	2.538	2.455
+68 0	+2.669	+2.333	-1.297	+2.475	+68 0	-2.669	-0.777	+2.554	-2.475
10	2.689	2.346	1.314	2.496	10	2.689	0.790	2.570	2.496
20	2.709	2.359	1.330	2.517	20	2.709	0.803	2.587	2.517
30	2.729	2.372	1.347	2.539	30	2.729	0.817	2.603	2.539
40	2.749	2.386	1.364	2.560	40	2.749	0.831	2.620	2.560
50	2.769	2.400	1.381	2.583	50	2.769	0.845	2.638	2.583
+69 0	+2.790	+2.415	-1.399	+2.605	+69 0	-2.790	-0.859	+2.655	-2.605
10	2.812	2.429	1.416	2.628	10	2.812	0.873	2.673	2.628
20	2.833	2.444	1.434	2.651	20	2.833	0.888	2.691	2.651
30	2.855	2.458	1.453	2.675	30	2.855	0.902	2.709	2.675
40	2.878	2.473	1.471	2.699	40	2.878	0.917	2.728	2.699
50	2.901	2.489	1.490	2.723	50	2.901	0.933	2.747	2.723
+70 0	+2.924	+2.504	-1.509	+2.747	+70 0	-2.924	-0.948	+2.766	-2.747
10	2.947	2.520	1.529	2.773	10	2.947	0.964	2.785	2.773
20	2.971	2.536	1.549	2.798	20	2.971	0.980	2.805	2.798
30	2.996	2.552	1.569	2.824	30	2.996	0.996	2.825	2.824
40	3.021	2.569	1.589	2.850	40	3.021	1.013	2.846	2.850
50	3.046	2.586	1.610	2.877	50	3.046	1.030	2.867	2.877
+71 0	+3.072	+2.603	-1.631	+2.904	+71 0	-3.072	-1.047	+2.888	-2.904
10	3.098	2.620	1.653	2.932	10	3.098	1.064	2.909	2.932
20	3.124	2.638	1.675	2.960	20	3.124	1.082	2.931	2.960
30	3.152	2.656	1.697	2.989	30	3.152	1.100	2.954	2.989
40	3.179	2.674	1.720	3.018	40	3.179	1.118	2.976	3.018
50	3.207	2.693	1.743	3.047	50	3.207	1.137	2.999	3.047
+72 0	+3.236	+2.712	-1.766	+3.078	+72 0	-3.236	-1.156	+3.023	-3.078
10	3.265	2.731	1.790	3.108	10	3.265	1.175	3.047	3.108
20	3.295	2.750	1.814	3.140	20	3.295	1.194	3.071	3.140
30	3.326	2.770	1.839	3.172	30	3.326	1.214	3.096	3.172
40	3.356	2.791	1.865	3.204	40	3.356	1.235	3.121	3.204
50	3.388	2.812	1.890	3.237	50	3.388	1.256	3.147	3.237
+73 0	+3.420	+2.833	-1.917	+3.271	+73 0	-3.420	-1.277	+3.173	-3.271
10	3.453	2.854	1.943	3.305	10	3.453	1.298	3.200	3.305
20	3.487	2.876	1.970	3.340	20	3.487	1.320	3.227	3.340
30	3.521	2.899	1.998	3.376	30	3.521	1.343	3.255	3.376
40	3.556	2.922	2.027	3.412	40	3.556	1.366	3.283	3.412
50	3.592	2.945	2.056	3.450	50	3.592	1.389	3.312	3.450
+74 0	+3.628	+2.969	-2.085	+3.487	+74 0	-3.628	-1.413	+3.342	-3.487
10	3.665	2.993	2.115	3.526	10	3.665	1.437	3.372	3.526
20	3.703	3.018	2.146	3.566	20	3.703	1.462	3.402	3.566
30	3.742	3.043	2.177	3.606	30	3.742	1.487	3.434	3.606
40	3.782	3.069	2.209	3.647	40	3.782	1.513	3.466	3.647
50	3.822	3.096	2.242	3.689	50	3.822	1.540	3.498	3.689
+75 0	+3.864	+3.123	-2.275	+3.732	+75 0	-3.864	-1.567	+3.532	-3.732

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+72° 0'	+3.236	+2.712	-1.766	+3.078	+72° 0'	-3.236	-1.156	+3.023	-3.078
1	3.239	2.713	1.769	3.081	1	3.239	1.157	3.025	3.081
2	3.242	2.715	1.771	3.084	2	3.242	1.159	3.028	3.084
3	3.245	2.717	1.773	3.087	3	3.245	1.161	3.030	3.087
4	3.248	2.719	1.776	3.090	4	3.248	1.163	3.032	3.090
5	3.251	2.721	1.778	3.093	5	3.251	1.165	3.035	3.093
6	3.254	2.723	1.781	3.096	6	3.254	1.167	3.037	3.096
7	3.256	2.725	1.783	3.099	7	3.256	1.169	3.039	3.099
8	3.259	2.727	1.785	3.102	8	3.259	1.171	3.042	3.102
9	3.262	2.729	1.788	3.105	9	3.262	1.173	3.044	3.105
+72 10	+3.265	+2.731	-1.790	+3.108	+72 10	-3.265	-1.175	+3.047	-3.108
11	3.268	2.733	1.793	3.112	11	3.268	1.177	3.049	3.112
12	3.271	2.735	1.795	3.115	12	3.271	1.179	3.051	3.115
13	3.274	2.737	1.798	3.118	13	3.274	1.181	3.054	3.118
14	3.277	2.739	1.800	3.121	14	3.277	1.183	3.056	3.121
15	3.280	2.741	1.802	3.124	15	3.280	1.185	3.059	3.124
16	3.283	2.743	1.805	3.127	16	3.283	1.187	3.061	3.127
17	3.286	2.745	1.807	3.130	17	3.286	1.189	3.064	3.130
18	3.289	2.746	1.810	3.133	18	3.289	1.190	3.066	3.133
19	3.292	2.748	1.812	3.137	19	3.292	1.192	3.068	3.137
+72 20	+3.295	+2.750	-1.814	+3.140	+72 20	-3.295	-1.194	+3.071	-3.140
21	3.298	2.752	1.817	3.143	21	3.298	1.196	3.073	3.143
22	3.301	2.754	1.819	3.146	22	3.301	1.198	3.076	3.146
23	3.304	2.756	1.822	3.149	23	3.304	1.200	3.078	3.149
24	3.307	2.758	1.824	3.152	24	3.307	1.202	3.081	3.152
25	3.310	2.760	1.827	3.156	25	3.310	1.204	3.083	3.156
26	3.313	2.762	1.829	3.159	26	3.313	1.206	3.086	3.159
27	3.316	2.764	1.832	3.162	27	3.316	1.208	3.088	3.162
28	3.319	2.766	1.834	3.165	28	3.319	1.210	3.091	3.165
29	3.322	2.768	1.837	3.168	29	3.322	1.212	3.093	3.168
+72 30	+3.326	+2.770	-1.839	+3.172	+72 30	-3.326	-1.214	+3.096	-3.172
31	3.329	2.772	1.842	3.175	31	3.329	1.216	3.098	3.175
32	3.332	2.775	1.844	3.178	32	3.332	1.219	3.101	3.178
33	3.335	2.777	1.847	3.181	33	3.335	1.221	3.103	3.181
34	3.338	2.779	1.849	3.185	34	3.338	1.223	3.106	3.185
35	3.341	2.781	1.852	3.188	35	3.341	1.225	3.108	3.188
36	3.344	2.783	1.854	3.191	36	3.344	1.227	3.111	3.191
37	3.347	2.785	1.857	3.194	37	3.347	1.229	3.113	3.194
38	3.350	2.787	1.859	3.198	38	3.350	1.231	3.116	3.198
39	3.353	2.789	1.862	3.201	39	3.353	1.233	3.118	3.201
+72 40	+3.356	+2.791	-1.865	+3.204	+72 40	-3.356	-1.235	+3.121	-3.204
41	3.360	2.793	1.867	3.207	41	3.360	1.237	3.124	3.207
42	3.363	2.795	1.870	3.211	42	3.363	1.239	3.126	3.211
43	3.366	2.797	1.872	3.214	43	3.366	1.241	3.129	3.214
44	3.369	2.799	1.875	3.217	44	3.369	1.243	3.131	3.217
45	3.372	2.801	1.877	3.221	45	3.372	1.245	3.134	3.221
46	3.375	2.803	1.880	3.224	46	3.375	1.247	3.136	3.224
47	3.379	2.806	1.882	3.227	47	3.379	1.250	3.139	3.227
48	3.382	2.808	1.885	3.230	48	3.382	1.252	3.142	3.230
49	3.385	2.810	1.888	3.234	49	3.385	1.254	3.144	3.234
+72 50	+3.388	+2.812	-1.890	+3.237	+72 50	-3.388	-1.256	+3.147	-3.237
51	3.391	2.814	1.893	3.240	51	3.391	1.258	3.149	3.240
52	3.394	2.816	1.896	3.244	52	3.394	1.260	3.152	3.244
53	3.398	2.818	1.898	3.247	53	3.398	1.262	3.155	3.247
54	3.401	2.820	1.901	3.251	54	3.401	1.264	3.157	3.251
55	3.404	2.822	1.903	3.254	55	3.404	1.266	3.160	3.254
56	3.407	2.824	1.906	3.257	56	3.407	1.268	3.162	3.257
57	3.411	2.826	1.909	3.261	57	3.411	1.270	3.165	3.261
58	3.414	2.829	1.911	3.264	58	3.414	1.273	3.168	3.264
59	3.417	2.831	1.914	3.267	59	3.417	1.275	3.170	3.267
+72 60	+3.420	+2.833	-1.917	+3.271	+72 60	-3.420	-1.277	+3.173	-3.271

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+73° 0'	+3.420	+2.833	-1.917	+3.271	+73° 0'	-3.420	-1.277	+3.173	-3.271
1	3.424	2.835	1.919	3.274	1	3.424	1.279	3.176	3.274
2	3.427	2.837	1.922	3.278	2	3.427	1.281	3.178	3.278
3	3.430	2.839	1.925	3.281	3	3.430	1.283	3.181	3.281
4	3.433	2.842	1.927	3.285	4	3.433	1.286	3.184	3.285
5	3.437	2.844	1.930	3.288	5	3.437	1.288	3.186	3.288
6	3.440	2.846	1.933	3.291	6	3.440	1.290	3.189	3.291
7	3.443	2.848	1.935	3.295	7	3.443	1.292	3.192	3.295
8	3.447	2.850	1.938	3.298	8	3.447	1.294	3.194	3.298
9	3.450	2.852	1.940	3.302	9	3.450	1.296	3.197	3.302
+73 10	+3.453	+2.854	-1.943	+3.305	+73 10	-3.453	-1.298	+3.200	-3.305
11	3.456	2.857	1.946	3.309	11	3.456	1.301	3.202	3.309
12	3.460	2.859	1.949	3.312	12	3.460	1.303	3.205	3.312
13	3.463	2.861	1.951	3.316	13	3.463	1.305	3.208	3.316
14	3.467	2.863	1.954	3.319	14	3.467	1.307	3.210	3.319
15	3.470	2.865	1.957	3.323	15	3.470	1.309	3.213	3.323
16	3.473	2.868	1.960	3.326	16	3.473	1.312	3.216	3.326
17	3.477	2.870	1.962	3.330	17	3.477	1.314	3.219	3.330
18	3.480	2.872	1.965	3.333	18	3.480	1.316	3.222	3.333
19	3.483	2.874	1.968	3.337	19	3.483	1.318	3.224	3.337
+73 20	+3.487	+2.876	-1.970	+3.340	+73 20	-3.487	-1.320	+3.227	-3.340
21	3.490	2.879	1.973	3.344	21	3.490	1.323	3.230	3.344
22	3.494	2.881	1.976	3.347	22	3.494	1.325	3.232	3.347
23	3.497	2.883	1.979	3.351	23	3.497	1.327	3.235	3.351
24	3.500	2.885	1.982	3.354	24	3.500	1.329	3.238	3.354
25	3.504	2.888	1.984	3.358	25	3.504	1.332	3.241	3.358
26	3.507	2.890	1.987	3.362	26	3.507	1.334	3.244	3.362
27	3.511	2.892	1.990	3.365	27	3.511	1.336	3.246	3.365
28	3.514	2.894	1.993	3.369	28	3.514	1.338	3.249	3.369
29	3.517	2.897	1.996	3.372	29	3.517	1.341	3.252	3.372
+73 30	+3.521	+2.899	-1.998	+3.376	+73 30	-3.521	-1.343	+3.255	-3.376
31	3.524	2.901	2.001	3.380	31	3.524	1.345	3.258	3.380
32	3.528	2.904	2.004	3.383	32	3.528	1.348	3.260	3.383
33	3.531	2.906	2.007	3.387	33	3.531	1.350	3.263	3.387
34	3.535	2.908	2.010	3.390	34	3.535	1.352	3.266	3.390
35	3.538	2.910	2.012	3.394	35	3.538	1.354	3.269	3.394
36	3.542	2.913	2.015	3.398	36	3.542	1.357	3.272	3.398
37	3.545	2.915	2.018	3.401	37	3.545	1.359	3.274	3.401
38	3.549	2.917	2.021	3.405	38	3.549	1.361	3.277	3.405
39	3.552	2.920	2.024	3.409	39	3.552	1.364	3.280	3.409
+73 40	+3.556	+2.922	-2.027	+3.412	+73 40	-3.556	-1.366	+3.283	-3.412
41	3.559	2.924	2.030	3.416	41	3.559	1.368	3.286	3.416
42	3.563	2.926	2.033	3.420	42	3.563	1.370	3.289	3.420
43	3.566	2.929	2.035	3.423	43	3.566	1.373	3.292	3.423
44	3.570	2.931	2.038	3.427	44	3.570	1.375	3.294	3.427
45	3.574	2.933	2.041	3.431	45	3.574	1.377	3.297	3.431
46	3.577	2.936	2.044	3.435	46	3.577	1.380	3.300	3.435
47	3.581	2.938	2.047	3.438	47	3.581	1.382	3.303	3.438
48	3.584	2.940	2.050	3.442	48	3.584	1.384	3.306	3.442
49	3.588	2.943	2.053	3.446	49	3.588	1.387	3.309	3.446
+73 50	+3.592	+2.945	-2.056	+3.450	+73 50	-3.592	-1.389	+3.312	-3.450
51	3.595	2.948	2.058	3.453	51	3.595	1.392	3.315	3.453
52	3.599	2.950	2.061	3.457	52	3.599	1.394	3.318	3.457
53	3.602	2.952	2.064	3.461	53	3.602	1.396	3.321	3.461
54	3.606	2.955	2.067	3.465	54	3.606	1.399	3.324	3.465
55	3.610	2.957	2.070	3.468	55	3.610	1.401	3.327	3.468
56	3.613	2.959	2.073	3.472	56	3.613	1.403	3.330	3.472
57	3.617	2.962	2.076	3.476	57	3.617	1.406	3.333	3.476
58	3.621	2.964	2.079	3.480	58	3.621	1.408	3.336	3.480
59	3.624	2.966	2.082	3.484	59	3.624	1.410	3.339	3.484
+73 60	+3.628	+2.969	-2.085	+3.487	+73 60	-3.628	-1.413	+3.342	-3.487

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+74° 0'	+3.628	+2.969	-2.085	+3.487	+74° 0'	-3.628	-1.413	+3.342	-3.487
1	3.632	2.971	2.088	3.491	1	3.632	1.415	3.344	3.491
2	3.635	2.974	2.091	3.495	2	3.635	1.418	3.347	3.495
3	3.639	2.976	2.094	3.499	3	3.639	1.420	3.350	3.499
4	3.643	2.979	2.097	3.503	4	3.643	1.423	3.353	3.503
5	3.646	2.981	2.100	3.507	5	3.646	1.425	3.356	3.507
6	3.650	2.983	2.103	3.511	6	3.650	1.427	3.359	3.511
7	3.654	2.986	2.106	3.514	7	3.654	1.430	3.362	3.514
8	3.658	2.988	2.109	3.518	8	3.658	1.432	3.366	3.518
9	3.661	2.991	2.112	3.522	9	3.661	1.435	3.369	3.522
+74 10	+3.665	+2.993	-2.115	+3.526	+74 10	-3.665	-1.437	+3.372	-3.526
11	3.669	2.996	2.118	3.530	11	3.669	1.440	3.375	3.530
12	3.673	2.998	2.121	3.534	12	3.673	1.442	3.378	3.534
13	3.676	3.001	2.124	3.538	13	3.676	1.445	3.381	3.538
14	3.680	3.003	2.127	3.542	14	3.680	1.447	3.384	3.542
15	3.684	3.006	2.130	3.546	15	3.684	1.450	3.387	3.546
16	3.688	3.008	2.134	3.550	16	3.688	1.452	3.390	3.550
17	3.692	3.010	2.137	3.554	17	3.692	1.454	3.393	3.554
18	3.695	3.013	2.140	3.558	18	3.695	1.457	3.396	3.558
19	3.699	3.016	2.143	3.562	19	3.699	1.460	3.399	3.562
+74 20	+3.703	+3.018	-2.146	+3.566	+74 20	-3.703	-1.462	+3.402	-3.566
21	3.707	3.021	2.149	3.570	21	3.707	1.465	3.405	3.570
22	3.711	3.023	2.152	3.574	22	3.711	1.467	3.408	3.574
23	3.715	3.026	2.155	3.578	23	3.715	1.470	3.412	3.578
24	3.719	3.028	2.158	3.582	24	3.719	1.472	3.415	3.582
25	3.722	3.031	2.161	3.586	25	3.722	1.475	3.418	3.586
26	3.726	3.033	2.165	3.590	26	3.726	1.477	3.421	3.590
27	3.730	3.036	2.168	3.594	27	3.730	1.480	3.424	3.594
28	3.734	3.038	2.171	3.598	28	3.734	1.482	3.427	3.598
29	3.738	3.041	2.174	3.602	29	3.738	1.485	3.430	3.602
+74 30	+3.742	+3.043	-2.177	+3.606	+74 30	-3.742	-1.487	+3.434	-3.606
31	3.746	3.046	2.180	3.610	31	3.746	1.490	3.437	3.610
32	3.750	3.048	2.184	3.614	32	3.750	1.492	3.440	3.614
33	3.754	3.051	2.187	3.618	33	3.754	1.495	3.443	3.618
34	3.758	3.054	2.190	3.622	34	3.758	1.498	3.446	3.622
35	3.762	3.056	2.193	3.626	35	3.762	1.500	3.450	3.626
36	3.766	3.059	2.196	3.630	36	3.766	1.503	3.453	3.630
37	3.770	3.061	2.200	3.635	37	3.770	1.505	3.456	3.635
38	3.774	3.064	2.203	3.639	38	3.774	1.508	3.459	3.639
39	3.778	3.067	2.206	3.643	39	3.778	1.511	3.462	3.643
+74 40	+3.782	+3.069	-2.209	+3.647	+74 40	-3.782	-1.513	+3.466	-3.647
41	3.786	3.072	2.212	3.651	41	3.786	1.516	3.469	3.651
42	3.790	3.074	2.216	3.655	42	3.790	1.518	3.472	3.655
43	3.794	3.077	2.219	3.660	43	3.794	1.521	3.475	3.660
44	3.798	3.080	2.222	3.664	44	3.798	1.524	3.479	3.664
45	3.802	3.082	2.226	3.668	45	3.802	1.526	3.482	3.668
46	3.806	3.085	2.229	3.672	46	3.806	1.529	3.485	3.672
47	3.810	3.088	2.232	3.676	47	3.810	1.532	3.488	3.676
48	3.814	3.090	2.235	3.681	48	3.814	1.534	3.492	3.681
49	3.818	3.093	2.239	3.685	49	3.818	1.537	3.495	3.685
+74 50	+3.822	+3.096	-2.242	+3.689	+74 50	-3.822	-1.540	+3.498	-3.689
51	3.826	3.098	2.245	3.693	51	3.826	1.542	3.502	3.693
52	3.830	3.101	2.249	3.698	52	3.830	1.545	3.505	3.698
53	3.835	3.104	2.252	3.702	53	3.835	1.548	3.508	3.702
54	3.839	3.106	2.255	3.706	54	3.839	1.550	3.512	3.706
55	3.843	3.109	2.259	3.710	55	3.843	1.553	3.515	3.710
56	3.847	3.112	2.262	3.715	56	3.847	1.556	3.518	3.715
57	3.851	3.114	2.265	3.719	57	3.851	1.558	3.522	3.719
58	3.855	3.117	2.269	3.723	58	3.855	1.561	3.525	3.723
59	3.860	3.120	2.272	3.728	59	3.860	1.564	3.528	3.728
+74 60	+3.864	+3.123	-2.275	+3.732	+74 60	-3.864	-1.567	+3.532	-3.732

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+75° 0'	+3.864	+3.123	-2.275	+3.732	+75° 0'	-3.864	-1.567	+3.532	-3.732
1	3.868	3.125	2.279	3.736	1	3.868	1.569	3.535	3.736
2	3.872	3.128	2.282	3.741	2	3.872	1.572	3.539	3.741
3	3.876	3.131	2.286	3.745	3	3.876	1.575	3.542	3.745
4	3.881	3.134	2.289	3.749	4	3.881	1.578	3.545	3.749
5	3.885	3.136	2.292	3.754	5	3.885	1.580	3.549	3.754
6	3.889	3.139	2.296	5.758	6	3.889	1.583	3.552	3.758
7	3.893	3.142	2.299	3.763	7	3.893	1.586	3.556	3.763
8	3.898	3.145	2.303	3.767	8	3.898	1.589	3.559	3.767
9	3.902	3.147	2.306	3.772	9	3.902	1.591	3.562	3.772
+75 10	+3.906	+3.150	-2.310	+3.776	+75 10	-3.906	-1.594	+3.566	-3.776
11	3.910	3.153	2.313	3.780	11	3.910	1.597	3.569	3.780
12	3.915	3.156	2.316	3.785	12	3.915	1.600	3.573	3.785
13	3.919	3.159	2.320	3.789	13	3.919	1.603	3.576	3.789
14	3.923	3.161	2.323	3.794	14	3.923	1.605	3.580	3.794
15	3.928	3.164	2.327	3.798	15	3.928	1.608	3.583	3.798
16	3.932	3.167	2.330	3.803	16	3.932	1.611	3.587	3.803
17	3.936	3.170	2.334	3.807	17	3.936	1.614	3.590	3.807
18	3.941	3.173	2.337	3.812	18	3.941	1.617	3.594	3.812
19	3.945	3.176	2.341	3.816	19	3.945	1.620	3.597	3.816
+75 20	+3.950	+3.178	-2.344	+3.821	+75 20	-3.950	-1.622	+3.601	-3.821
21	3.954	3.181	2.348	3.825	21	3.954	1.625	3.604	3.825
22	3.958	3.184	2.352	3.830	22	3.958	1.628	3.608	3.830
23	3.963	3.187	2.355	3.834	23	3.963	1.631	3.612	3.834
24	3.967	3.190	2.359	3.839	24	3.967	1.634	3.615	3.839
25	3.972	3.193	2.362	3.844	25	3.972	1.637	3.618	3.844
26	3.976	3.196	2.366	3.848	26	3.976	1.640	3.622	3.848
27	3.980	3.198	2.369	3.853	27	3.980	1.642	3.626	3.853
28	3.985	3.201	2.373	3.857	28	3.985	1.645	3.629	3.857
29	3.989	3.204	2.376	3.862	29	3.989	1.648	3.633	3.862
+75 30	+3.994	+3.207	-2.380	+3.867	+75 30	-3.994	-1.651	+3.637	-3.867
31	3.998	3.210	2.384	3.871	31	3.998	1.654	3.640	3.871
32	4.003	3.213	2.387	3.876	32	4.003	1.657	3.644	3.876
33	4.007	3.216	2.391	3.881	33	4.007	1.660	3.647	3.881
34	4.012	3.219	2.395	3.885	34	4.012	1.663	3.651	3.885
35	4.017	3.222	2.398	3.890	35	4.017	1.666	3.655	3.890
36	4.021	3.225	2.402	3.895	36	4.021	1.669	3.658	3.895
37	4.026	3.228	2.406	3.899	37	4.026	1.672	3.662	3.899
38	4.030	3.231	2.409	3.904	38	4.030	1.675	3.666	3.904
39	4.035	3.234	2.413	3.909	39	4.035	1.678	3.669	3.909
+75 40	+4.039	+3.237	-2.417	+3.914	+75 40	-4.039	-1.681	+3.673	-3.914
41	4.044	3.240	2.420	3.918	41	4.044	1.684	3.677	3.918
42	4.049	3.243	2.424	3.923	42	4.049	1.687	3.680	3.923
43	4.053	3.246	2.428	3.928	43	4.053	1.690	3.684	3.928
44	4.058	3.249	2.432	3.933	44	4.058	1.693	3.688	3.933
45	4.063	3.252	2.435	3.938	45	4.063	1.696	3.692	3.938
46	4.067	3.255	2.439	3.942	46	4.067	1.699	3.696	3.942
47	4.072	3.258	2.443	3.947	47	4.072	1.702	3.699	3.947
48	4.077	3.261	2.446	3.952	48	4.077	1.705	3.703	3.952
49	4.081	3.264	2.450	3.957	49	4.081	1.708	3.707	3.957
+75 50	+4.086	+3.267	-2.454	+3.962	+75 50	-4.086	-1.711	+3.710	-3.962
51	4.091	3.270	2.458	3.967	51	4.091	1.714	3.714	3.967
52	4.095	3.273	2.462	3.971	52	4.095	1.717	3.718	3.971
53	4.100	3.276	2.465	3.976	53	4.100	1.720	3.722	3.976
54	4.105	3.279	2.469	3.981	54	4.105	1.723	3.726	3.981
55	4.110	3.282	2.473	3.986	55	4.110	1.726	3.729	3.986
56	4.114	3.285	2.477	3.991	56	4.114	1.729	3.733	3.991
57	4.119	3.288	2.481	3.996	57	4.119	1.732	3.737	3.996
58	4.124	3.292	2.485	4.001	58	4.124	1.736	3.741	4.001
59	4.129	3.295	2.488	4.006	59	4.129	1.739	3.745	4.006
+75 60	+4.134	+3.298	-2.492	+4.011	+75 60	-4.134	-1.742	+3.749	-4.011

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+76° 0'	+4.134	+3.298	-2.492	+4.011	+76° 0'	-4.134	-1.742	+3.749	-4.011
1	4.138	3.301	2.496	4.016	1	4.138	1.745	3.753	4.016
2	4.143	3.304	2.500	4.021	2	4.143	1.748	3.756	4.021
3	4.148	3.307	2.504	4.026	3	4.148	1.751	3.760	4.026
4	4.153	3.310	2.508	4.031	4	4.153	1.754	3.764	4.031
5	4.158	3.313	2.512	4.036	5	4.158	1.757	3.768	4.036
6	4.163	3.317	2.516	4.041	6	4.163	1.761	3.772	4.041
7	4.168	3.320	2.520	4.046	7	4.168	1.764	3.776	4.046
8	4.173	3.323	2.524	4.051	8	4.173	1.767	3.780	4.051
9	4.177	3.326	2.527	4.056	9	4.177	1.770	3.784	4.056
+76 10	+4.182	+3.329	-2.531	+4.061	+76 10	-4.182	-1.773	+3.788	-4.061
11	4.187	3.332	2.535	4.066	11	4.187	1.776	3.792	4.066
12	4.192	3.336	2.539	4.071	12	4.192	1.780	3.796	4.071
13	4.197	3.339	2.543	4.076	13	4.197	1.783	3.800	4.076
14	4.202	3.342	2.547	4.082	14	4.202	1.786	3.804	4.082
15	4.207	3.345	2.551	4.087	15	4.207	1.789	3.808	4.087
16	4.212	3.349	2.555	4.092	16	4.212	1.793	3.812	4.092
17	4.217	3.352	2.559	4.097	17	4.217	1.796	3.816	4.097
18	4.222	3.355	2.563	4.102	18	4.222	1.799	3.820	4.102
19	4.227	3.358	2.567	4.107	19	4.227	1.802	3.824	4.107
+76 20	+4.232	+3.362	-2.572	+4.113	+76 20	-4.232	-1.806	+3.828	-4.113
21	4.237	3.365	2.576	4.118	21	4.237	1.809	3.832	4.118
22	4.243	3.368	2.580	4.123	22	4.243	1.812	3.836	4.123
23	4.248	3.372	2.584	4.128	23	4.248	1.816	3.840	4.128
24	4.253	3.375	2.588	4.134	24	4.253	1.819	3.844	4.134
25	4.258	3.378	2.592	4.139	25	4.258	1.822	3.848	4.139
26	4.263	3.382	2.596	4.144	26	4.263	1.826	3.852	4.144
27	4.268	3.385	2.600	4.149	27	4.268	1.829	3.856	4.149
28	4.273	3.388	2.604	4.155	28	4.273	1.832	3.861	4.155
29	4.278	3.392	2.608	4.160	29	4.278	1.836	3.865	4.160
+76 30	+4.284	+3.395	-2.612	+4.165	+76 30	-4.284	-1.839	+3.869	-4.165
31	4.289	3.398	2.617	4.171	31	4.289	1.842	3.873	4.171
32	4.294	3.402	2.621	4.176	32	4.294	1.846	3.877	4.176
33	4.299	3.405	2.625	4.181	33	4.299	1.849	3.881	4.181
34	4.305	3.408	2.629	4.187	34	4.305	1.852	3.886	4.187
35	4.310	3.412	2.633	4.192	35	4.310	1.856	3.890	4.192
36	4.315	3.415	2.638	4.198	36	4.315	1.859	3.894	4.198
37	4.320	3.418	2.642	4.203	37	4.320	1.862	3.898	4.203
38	4.326	3.422	2.646	4.208	38	4.326	1.866	3.902	4.208
39	4.331	3.425	2.650	4.214	39	4.331	1.869	3.907	4.214
+76 40	+4.336	+3.429	-2.654	+4.219	+76 40	-4.336	-1.873	+3.911	-4.219
41	4.342	3.432	2.659	4.225	41	4.342	1.876	3.915	4.225
42	4.347	3.436	2.663	4.230	42	4.347	1.880	3.919	4.230
43	4.352	3.439	2.667	4.236	43	4.352	1.883	3.924	4.236
44	4.358	3.443	2.672	4.241	44	4.358	1.887	3.928	4.241
45	4.363	3.446	2.676	4.247	45	4.363	1.890	3.932	4.247
46	4.368	3.450	2.680	4.252	46	4.368	1.894	3.937	4.252
47	4.374	3.453	2.685	4.258	47	4.374	1.897	3.941	4.258
48	4.379	3.456	2.689	4.264	48	4.379	1.900	3.945	4.264
49	4.385	3.460	2.693	4.269	49	4.385	1.904	3.950	4.269
+76 50	+4.390	+3.464	-2.698	+4.275	+76 50	-4.390	-1.908	+3.954	-4.275
51	4.396	3.467	2.702	4.280	51	4.396	1.911	3.958	4.280
52	4.401	3.471	2.706	4.286	52	4.401	1.915	3.963	4.286
53	4.407	3.474	2.711	4.292	53	4.407	1.918	3.967	4.292
54	4.412	3.478	2.715	4.297	54	4.412	1.922	3.972	4.297
55	4.418	3.481	2.720	4.303	55	4.418	1.925	3.976	4.303
56	4.423	3.485	2.724	4.309	56	4.423	1.929	3.980	4.309
57	4.429	3.488	2.728	4.314	57	4.429	1.932	3.985	4.314
58	4.434	3.492	2.733	4.320	58	4.434	1.936	3.989	4.320
59	4.440	3.496	2.737	4.326	59	4.440	1.940	3.994	4.326
+76 60	+4.445	+3.499	-2.742	+4.331	+76 60	-4.445	-1.943	+3.998	-4.331

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+77° 0'	+4.445	+3.499	-2.742	+4.331	+77° 0'	-4.445	-1.943	+3.998	-4.331
1	4.451	3.503	2.746	4.337	1	4.451	1.947	4.003	4.337
2	4.457	3.506	2.751	4.343	2	4.457	1.950	4.007	4.343
3	4.462	3.510	2.755	4.349	3	4.462	1.954	4.012	4.349
4	4.468	3.514	2.760	4.355	4	4.468	1.958	4.016	4.355
5	4.474	3.517	2.764	4.360	5	4.474	1.961	4.021	4.360
6	4.479	3.521	2.769	4.366	6	4.479	1.965	4.025	4.366
7	4.485	3.525	2.773	4.372	7	4.485	1.969	4.030	4.372
8	4.491	3.528	2.778	4.378	8	4.491	1.972	4.034	4.378
9	4.496	3.532	2.782	4.384	9	4.496	1.976	4.039	4.384
+77 10	+4.502	+3.536	-2.787	+4.390	+77 10	-4.502	-1.980	+4.044	-4.390
11	4.508	3.540	2.792	4.396	11	4.508	1.984	4.048	4.396
12	4.514	3.543	2.796	4.402	12	4.514	1.987	4.053	4.402
13	4.519	3.547	2.801	4.407	13	4.519	1.991	4.057	4.407
14	4.525	3.551	2.806	4.413	14	4.525	1.995	4.062	4.413
15	4.531	3.554	2.810	4.419	15	4.531	1.998	4.067	4.419
16	4.537	3.558	2.815	4.425	16	4.537	2.002	4.071	4.425
17	4.543	3.562	2.819	4.431	17	4.543	2.006	4.076	4.431
18	4.549	3.566	2.824	4.437	18	4.549	2.010	4.081	4.437
19	4.555	3.570	2.829	4.443	19	4.555	2.014	4.085	4.443
+77 20	+4.560	+3.573	-2.834	+4.449	+77 20	-4.560	-2.017	+4.090	-4.449
21	4.566	3.577	2.838	4.455	21	4.566	2.021	4.095	4.455
22	4.572	3.581	2.843	4.462	22	4.572	2.025	4.099	4.462
23	4.578	3.585	2.848	4.468	23	4.578	2.029	4.104	4.468
24	4.584	3.589	2.852	4.474	24	4.584	2.033	4.109	4.474
25	4.590	3.592	2.857	4.480	25	4.590	2.037	4.114	4.480
26	4.596	3.596	2.862	4.486	26	4.596	2.040	4.118	4.486
27	4.602	3.600	2.867	4.492	27	4.602	2.044	4.123	4.492
28	4.608	3.604	2.872	4.498	28	4.608	2.048	4.128	4.498
29	4.614	3.608	2.876	4.505	29	4.614	2.052	4.133	4.505
+77 30	+4.620	+3.612	-2.881	+4.511	+77 30	-4.620	-2.056	+4.138	-4.511
31	4.626	3.616	2.886	4.517	31	4.626	2.060	4.142	4.517
32	4.632	3.620	2.891	4.523	32	4.632	2.064	4.147	4.523
33	4.638	3.624	2.896	4.529	33	4.638	2.068	4.152	4.529
34	4.645	3.628	2.901	4.536	34	4.645	2.072	4.157	4.536
35	4.651	3.632	2.906	4.542	35	4.651	2.076	4.162	4.542
36	4.657	3.635	2.910	4.548	36	4.657	2.079	4.167	4.548
37	4.663	3.639	2.915	4.555	37	4.663	2.083	4.172	4.555
38	4.669	3.643	2.920	4.561	38	4.669	2.087	4.177	4.561
39	4.675	3.647	2.925	4.567	39	4.675	2.091	4.182	4.567
+77 40	+4.682	+3.651	-2.930	+4.574	+77 40	-4.682	-2.095	+4.187	-4.574
41	4.688	3.655	2.935	4.580	41	4.688	2.099	4.192	4.580
42	4.694	3.659	2.940	4.586	42	4.694	2.103	4.197	4.586
43	4.700	3.663	2.945	4.593	43	4.700	2.107	4.202	4.593
44	4.707	3.668	2.950	4.599	44	4.707	2.112	4.207	4.599
45	4.713	3.672	2.955	4.606	45	4.713	2.116	4.212	4.606
46	4.719	3.676	2.960	4.612	46	4.719	2.120	4.217	4.612
47	4.726	3.680	2.965	4.619	47	4.726	2.124	4.222	4.619
48	4.732	3.684	2.970	4.625	48	4.732	2.128	4.227	4.625
49	4.738	3.688	2.975	4.632	49	4.738	2.132	4.232	4.632
+77 50	+4.745	+3.692	-2.980	+4.638	+77 50	-4.745	-2.136	+4.237	-4.638
51	4.751	3.696	2.986	4.645	51	4.751	2.140	4.242	4.645
52	4.758	3.700	2.991	4.651	52	4.758	2.144	4.247	4.651
53	4.764	3.704	2.996	4.658	53	4.764	2.148	4.252	4.658
54	4.771	3.708	3.001	4.665	54	4.771	2.152	4.257	4.665
55	4.777	3.713	3.006	4.671	55	4.777	2.157	4.262	4.671
56	4.784	3.717	3.011	4.678	56	4.784	2.161	4.268	4.678
57	4.790	3.721	3.016	4.685	57	4.790	2.165	4.273	4.685
58	4.797	3.725	3.022	4.691	58	4.797	2.169	4.278	4.691
59	4.803	3.729	3.027	4.698	59	4.803	2.173	4.283	4.698
+77 60	+4.810	+3.734	-3.032	+4.705	+77 60	-4.810	-2.178	+4.288	-4.705

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+78° 0'	+4.810	+3.734	-3.032	+4.705	+78° 0'	-4.810	-2.178	+4.288	-4.705
1	4.816	3.738	3.037	4.711	1	4.816	2.182	4.294	4.711
2	4.823	3.742	3.042	4.718	2	4.823	2.186	4.299	4.718
3	4.830	3.746	3.048	4.725	3	4.830	2.190	4.304	4.725
4	4.836	3.751	3.053	4.732	4	4.836	2.195	4.310	4.732
5	4.843	3.755	3.058	4.739	5	4.843	2.199	4.315	4.739
6	4.850	3.759	3.064	4.745	6	4.850	2.203	4.320	4.745
7	4.856	3.764	3.069	4.752	7	4.856	2.208	4.326	4.752
8	4.863	3.768	3.074	4.759	8	4.863	2.212	4.331	4.759
9	4.870	3.772	3.080	4.766	9	4.870	2.216	4.336	4.766
+78 10	+4.876	+3.776	-3.085	+4.773	+78 10	-4.876	-2.220	+4.342	-4.773
11	4.883	3.781	3.091	4.780	11	4.883	2.225	4.347	4.780
12	4.890	3.785	3.096	4.787	12	4.890	2.229	4.352	4.787
13	4.897	3.790	3.101	4.794	13	4.897	2.234	4.358	4.794
14	4.904	3.794	3.107	4.801	14	4.904	2.238	4.363	4.801
15	4.911	3.798	3.112	4.808	15	4.911	2.242	4.369	4.808
16	4.917	3.803	3.118	4.815	16	4.917	2.247	4.374	4.815
17	4.924	3.807	3.123	4.822	17	4.924	2.251	4.380	4.822
18	4.931	3.812	3.129	4.829	18	4.931	2.256	4.385	4.829
19	4.938	3.816	3.134	4.836	19	4.938	2.260	4.391	4.836
+78 20	+4.945	+3.821	-3.140	+4.843	+78 20	-4.945	-2.265	+4.396	-4.843
21	4.952	3.825	3.145	4.850	21	4.952	2.269	4.402	4.850
22	4.959	3.830	3.151	4.857	22	4.959	2.274	4.407	4.857
23	4.966	3.834	3.156	4.864	23	4.966	2.278	4.413	4.864
24	4.973	3.838	3.162	4.872	24	4.973	2.282	4.418	4.872
25	4.980	3.843	3.168	4.879	25	4.980	2.287	4.424	4.879
26	4.987	3.848	3.173	4.886	26	4.987	2.292	4.430	4.886
27	4.994	3.852	3.179	4.893	27	4.994	2.296	4.435	4.893
28	5.002	3.857	3.185	4.901	28	5.002	2.301	4.441	4.901
29	5.009	3.861	3.190	4.908	29	5.009	2.305	4.447	4.908
+78 30	+5.016	+3.866	-3.196	+4.915	+78 30	-5.016	-2.310	+4.452	-4.915
31	5.023	3.870	3.202	4.922	31	5.023	2.314	4.458	4.922
32	5.030	3.875	3.207	4.930	32	5.030	2.319	4.464	4.930
33	5.037	3.880	3.213	4.937	33	5.037	2.324	4.469	4.937
34	5.045	3.884	3.219	4.945	34	5.045	2.328	4.475	4.945
35	5.052	3.889	3.224	4.952	35	5.052	2.333	4.481	4.952
36	5.059	3.894	3.230	4.959	36	5.059	2.338	4.487	4.959
37	5.067	3.898	3.236	4.967	37	5.067	2.342	4.492	4.967
38	5.074	3.903	3.242	4.974	38	5.074	2.347	4.498	4.974
39	5.081	3.908	3.248	4.982	39	5.081	2.352	4.504	4.982
+78 40	+5.089	+3.913	-3.254	+4.989	+78 40	-5.089	-2.357	+4.510	-4.989
41	5.096	3.917	3.260	4.997	41	5.096	2.361	4.516	4.997
42	5.103	3.922	3.265	5.005	42	5.103	2.366	4.522	5.005
43	5.111	3.927	3.271	5.012	43	5.111	2.371	4.528	5.012
44	5.118	3.932	3.277	5.020	44	5.118	2.376	4.534	5.020
45	5.126	3.936	3.283	5.027	45	5.126	2.380	4.540	5.027
46	5.133	3.941	3.289	5.035	46	5.133	2.385	4.546	5.035
47	5.141	3.946	3.295	5.043	47	5.141	2.390	4.552	5.043
48	5.148	3.951	3.301	5.050	48	5.148	2.395	4.558	5.050
49	5.156	3.956	3.307	5.058	49	5.156	2.400	4.564	5.058
+78 50	+5.164	+3.961	-3.313	+5.066	+78 50	-5.164	-2.405	+4.570	-5.066
51	5.171	3.966	3.319	5.074	51	5.171	2.410	4.576	5.074
52	5.179	3.970	3.325	5.081	52	5.179	2.414	4.582	5.081
53	5.187	3.975	3.331	5.089	53	5.187	2.419	4.588	5.089
54	5.194	3.980	3.337	5.097	54	5.194	2.424	4.594	5.097
55	5.202	3.985	3.344	5.105	55	5.202	2.429	4.600	5.105
56	5.210	3.990	3.350	5.113	56	5.210	2.434	4.606	5.113
57	5.217	3.995	3.356	5.121	57	5.217	2.439	4.612	5.121
58	5.225	4.000	3.362	5.129	58	5.225	2.444	4.618	5.129
59	5.233	4.005	3.368	5.137	59	5.233	2.449	4.625	5.137
+78 60	+5.241	+4.010	-3.374	+5.145	+78 60	-5.241	-2.454	+4.631	-5.145

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+79° 0'	+5.241	+4.010	-3.374	+5.145	+79° 0'	-5.241	-2.454	+4.631	-5.145
1	5.249	4.015	3.381	5.153	1	5.249	2.459	4.637	5.153
2	5.257	4.020	3.387	5.161	2	5.257	2.464	4.643	5.161
3	5.264	4.025	3.393	5.169	3	5.264	2.469	4.650	5.169
4	5.272	4.030	3.399	5.177	4	5.272	2.474	4.656	5.177
5	5.280	4.035	3.406	5.185	5	5.280	2.479	4.662	5.185
6	5.288	4.040	3.412	5.193	6	5.288	2.484	4.668	5.193
7	5.296	4.046	3.418	5.201	7	5.296	2.490	4.675	5.201
8	5.304	4.051	3.425	5.209	8	5.304	2.495	4.681	5.209
9	5.312	4.056	3.431	5.217	9	5.312	2.500	4.687	5.217
+79 10	+5.320	+4.061	-3.438	+5.226	+79 10	-5.320	-2.505	+4.694	-5.226
11	5.329	4.066	3.444	5.234	11	5.329	2.510	4.700	5.234
12	5.337	4.071	3.450	5.242	12	5.337	2.515	4.707	5.242
13	5.345	4.077	3.457	5.250	13	5.345	2.521	4.713	5.250
14	5.353	4.082	3.463	5.259	14	5.353	2.526	4.720	5.259
15	5.361	4.087	3.470	5.267	15	5.361	2.531	4.726	5.267
16	5.369	4.092	3.476	5.276	16	5.369	2.536	4.732	5.276
17	5.378	4.098	3.483	5.284	17	5.378	2.542	4.739	5.284
18	5.386	4.103	3.489	5.292	18	5.386	2.547	4.746	5.292
19	5.394	4.108	3.496	5.301	19	5.394	2.552	4.752	5.301
+79 20	+5.403	+4.114	-3.502	+5.309	+79 20	-5.403	-2.558	+4.759	-5.309
21	5.411	4.119	3.509	5.318	21	5.411	2.563	4.766	5.318
22	5.419	4.124	3.516	5.326	22	5.419	2.568	4.772	5.326
23	5.428	4.130	3.522	5.335	23	5.428	2.574	4.779	5.335
24	5.436	4.135	3.529	5.343	24	5.436	2.579	4.786	5.343
25	5.445	4.140	3.536	5.352	25	5.445	2.584	4.792	5.352
26	5.453	4.146	3.542	5.361	26	5.453	2.590	4.799	5.361
27	5.462	4.151	3.549	5.369	27	5.462	2.595	4.806	5.369
28	5.470	4.157	3.556	5.378	28	5.470	2.601	4.812	5.378
29	5.479	4.162	3.563	5.387	29	5.479	2.606	4.819	5.387
+79 30	+5.487	+4.168	-3.570	+5.396	+79 30	-5.487	-2.612	+4.826	-5.396
31	5.496	4.173	3.576	5.404	31	5.496	2.617	4.833	5.404
32	5.505	4.179	3.583	5.413	32	5.505	2.623	4.840	5.413
33	5.513	4.184	3.590	5.422	33	5.513	2.628	4.846	5.422
34	5.522	4.190	3.597	5.431	34	5.522	2.634	4.853	5.431
35	5.531	4.196	3.604	5.440	35	5.531	2.640	4.860	5.440
36	5.540	4.201	3.611	5.449	36	5.540	2.645	4.867	5.449
37	5.548	4.207	3.618	5.458	37	5.548	2.651	4.874	5.458
38	5.557	4.212	3.625	5.466	38	5.557	2.656	4.881	5.466
39	5.566	4.218	3.632	5.475	39	5.566	2.662	4.888	5.475
+79 40	+5.575	+4.224	-3.639	+5.485	+79 40	-5.575	-2.668	+4.895	-5.485
41	5.584	4.229	3.646	5.494	41	5.584	2.673	4.902	5.494
42	5.593	4.235	3.653	5.503	42	5.593	2.679	4.909	5.503
43	5.602	4.241	3.660	5.512	43	5.602	2.685	4.916	5.512
44	5.611	4.246	3.667	5.521	44	5.611	2.690	4.924	5.521
45	5.620	4.252	3.674	5.530	45	5.620	2.696	4.931	5.530
46	5.629	4.258	3.682	5.539	46	5.629	2.702	4.938	5.539
47	5.638	4.264	3.689	5.549	47	5.638	2.708	4.945	5.549
48	5.647	4.270	3.696	5.558	48	5.647	2.714	4.952	5.558
49	5.656	4.276	3.703	5.567	49	5.656	2.720	4.960	5.567
+79 50	+5.665	+4.281	-3.710	+5.576	+79 50	-5.665	-2.725	+4.967	-5.576
51	5.675	4.287	3.718	5.586	51	5.675	2.731	4.974	5.586
52	5.684	4.293	3.725	5.595	52	5.684	2.737	4.981	5.595
53	5.693	4.299	3.732	5.605	53	5.693	2.743	4.989	5.605
54	5.702	4.305	3.740	5.614	54	5.702	2.749	4.996	5.614
55	5.712	4.311	3.747	5.623	55	5.712	2.755	5.003	5.623
56	5.721	4.317	3.754	5.633	56	5.721	2.761	5.011	5.633
57	5.730	4.323	3.762	5.642	57	5.730	2.767	5.018	5.642
58	5.740	4.329	3.769	5.652	58	5.740	2.773	5.026	5.652
59	5.749	4.335	3.777	5.662	59	5.749	2.779	5.033	5.662
+79 60	+5.759	+4.341	-3.784	+5.671	+79 60	-5.759	-2.785	+5.041	-5.671

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+80° 0'	+5.759	+4.341	-3.784	+5.671	+80° 0'	-5.759	-2.785	+5.041	-5.671
1	5.768	4.347	3.792	5.681	1	5.768	2.791	5.048	5.681
2	5.778	4.353	3.799	5.691	2	5.778	2.797	5.056	5.691
3	5.787	4.359	3.807	5.700	3	5.787	2.803	5.063	5.700
4	5.797	4.365	3.814	5.710	4	5.797	2.809	5.071	5.710
5	5.807	4.372	3.822	5.720	5	5.807	2.816	5.078	5.720
6	5.816	4.378	3.830	5.730	6	5.816	2.822	5.086	5.730
7	5.826	4.384	3.837	5.740	7	5.826	2.828	5.094	5.740
8	5.836	4.390	3.845	5.749	8	5.836	2.834	5.101	5.749
9	5.846	4.396	3.853	5.759	9	5.846	2.840	5.109	5.759
+80 10	+5.855	+4.403	-3.860	+5.769	+80 10	-5.855	-2.847	+5.117	-5.769
11	5.865	4.409	3.868	5.779	11	5.865	2.853	5.125	5.779
12	5.875	4.415	3.876	5.789	12	5.875	2.859	5.132	5.789
13	5.885	4.421	3.884	5.799	13	5.885	2.865	5.140	5.799
14	5.895	4.428	3.892	5.810	14	5.895	2.872	5.148	5.810
15	5.905	4.434	3.900	5.820	15	5.905	2.878	5.156	5.820
16	5.915	4.440	3.908	5.830	16	5.915	2.884	5.164	5.830
17	5.925	4.447	3.915	5.840	17	5.925	2.891	5.172	5.840
18	5.935	4.453	3.923	5.850	18	5.935	2.897	5.180	5.850
19	5.945	4.460	3.931	5.861	19	5.945	2.904	5.188	5.861
+80 20	+5.955	+4.466	-3.939	+5.871	+80 20	-5.955	-2.910	+5.196	-5.871
21	5.966	4.473	3.947	5.881	21	5.966	2.917	5.204	5.881
22	5.976	4.479	3.955	5.892	22	5.976	2.923	5.212	5.892
23	5.986	4.486	3.964	5.902	23	5.986	2.930	5.220	5.902
24	5.996	4.492	3.972	5.912	24	5.996	2.936	5.228	5.912
25	6.007	4.499	3.980	5.923	25	6.007	2.943	5.236	5.923
26	6.017	4.506	3.988	5.933	26	6.017	2.950	5.244	5.933
27	6.027	4.512	3.996	5.944	27	6.027	2.956	5.253	5.944
28	6.038	4.519	4.004	5.954	28	6.038	2.963	5.261	5.954
29	6.048	4.526	4.013	5.965	29	6.048	2.970	5.269	5.965
+80 30	+6.059	+4.532	-4.021	+5.976	+80 30	-6.059	-2.976	+5.278	-5.976
31	6.069	4.539	4.029	5.986	31	6.069	2.983	5.286	5.986
32	6.080	4.546	4.038	5.997	32	6.080	2.990	5.294	5.997
33	6.091	4.552	4.046	6.008	33	6.091	2.996	5.302	6.008
34	6.101	4.559	4.054	6.019	34	6.101	3.003	5.311	6.019
35	6.112	4.566	4.063	6.030	35	6.112	3.010	5.319	6.030
36	6.123	4.573	4.071	6.041	36	6.123	3.017	5.328	6.041
37	6.134	4.580	4.080	6.051	37	6.134	3.024	5.336	6.051
38	6.144	4.587	4.088	6.062	38	6.144	3.031	5.345	6.062
39	6.155	4.594	4.097	6.073	39	6.155	3.038	5.353	6.073
+80 40	+6.166	+4.601	-4.106	+6.084	+80 40	-6.166	-3.044	+5.362	-6.084
41	6.177	4.608	4.114	6.096	41	6.177	3.052	5.371	6.096
42	6.188	4.614	4.123	6.107	42	6.188	3.058	5.379	6.107
43	6.199	4.621	4.132	6.118	43	6.199	3.066	5.388	6.118
44	6.210	4.628	4.140	6.129	44	6.210	3.072	5.397	6.129
45	6.221	4.636	4.149	6.140	45	6.221	3.080	5.405	6.140
46	6.232	4.643	4.158	6.152	46	6.232	3.087	5.414	6.152
47	6.243	4.650	4.167	6.163	47	6.243	3.094	5.423	6.163
48	6.255	4.657	4.175	6.174	48	6.255	3.101	5.432	6.174
49	6.266	4.664	4.184	6.186	49	6.266	3.108	5.441	6.186
+80 50	+6.277	+4.671	-4.193	+6.197	+80 50	-6.277	-3.115	+5.450	-6.197
51	6.289	4.678	4.202	6.209	51	6.289	3.122	5.459	6.209
52	6.300	4.686	4.211	6.220	52	6.300	3.130	5.468	6.220
53	6.311	4.693	4.220	6.232	53	6.311	3.137	5.476	6.232
54	6.323	4.700	4.229	6.243	54	6.323	3.144	5.486	6.243
55	6.334	4.708	4.238	6.255	55	6.334	3.152	5.495	6.255
56	6.346	4.715	4.247	6.267	56	6.346	3.159	5.504	6.267
57	6.357	4.722	4.256	6.278	57	6.357	3.166	5.513	6.278
58	6.369	4.730	4.266	6.290	58	6.369	3.174	5.522	6.290
59	6.381	4.737	4.275	6.302	59	6.381	3.181	5.531	6.302
+80 60	+6.392	+4.745	-4.284	+6.314	+80 60	-6.392	-3.189	+5.540	-6.314

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+81° 0'	+6.392	+4.745	-4.284	+6.314	+81° 0'	-6.392	-3.189	+5.540	-6.314
1	6.404	4.752	4.293	6.326	1	6.404	3.196	5.550	6.326
2	6.416	4.760	4.303	6.338	2	6.416	3.204	5.559	6.338
3	6.428	4.767	4.312	6.350	3	6.428	3.211	5.568	6.350
4	6.440	4.775	4.321	6.362	4	6.440	3.219	5.578	6.362
5	6.452	4.782	4.331	6.374	5	6.452	3.226	5.587	6.374
6	6.464	4.790	4.340	6.386	6	6.464	3.234	5.596	6.386
7	6.476	4.798	4.350	6.398	7	6.476	3.242	5.606	6.398
8	6.488	4.805	4.359	6.410	8	6.488	3.249	5.616	6.410
9	6.500	4.813	4.369	6.423	9	6.500	3.257	5.625	6.423
+81 10	+6.512	+4.821	-4.378	+6.435	+81 10	-6.512	-3.265	+5.635	-6.435
11	6.524	4.828	4.388	6.447	11	6.524	3.272	5.644	6.447
12	6.537	4.836	4.398	6.460	12	6.537	3.280	5.654	6.460
13	6.549	4.844	4.407	6.472	13	6.549	3.288	5.664	6.472
14	6.561	4.852	4.417	6.485	14	6.561	3.296	5.673	6.485
15	6.574	4.860	4.427	6.497	15	6.574	3.304	5.683	6.497
16	6.586	4.868	4.436	6.510	16	6.586	3.312	5.693	6.510
17	6.599	4.876	4.446	6.522	17	6.599	3.320	5.703	6.522
18	6.611	4.884	4.456	6.535	18	6.611	3.328	5.712	6.535
19	6.624	4.892	4.466	6.548	19	6.624	3.336	5.722	6.548
+81 20	+6.636	+4.900	-4.476	+6.561	+81 20	-6.636	-3.344	+5.732	-6.561
21	6.649	4.908	4.486	6.573	21	6.649	3.352	5.742	6.573
22	6.662	4.916	4.496	6.586	22	6.662	3.360	5.752	6.586
23	6.675	4.924	4.506	6.599	23	6.675	3.368	5.762	6.599
24	6.687	4.932	4.516	6.612	24	6.687	3.376	5.773	6.612
25	6.700	4.940	4.526	6.625	25	6.700	3.384	5.783	6.625
26	6.713	4.948	4.536	6.638	26	6.713	3.392	5.793	6.638
27	6.726	4.957	4.547	6.651	27	6.726	3.401	5.803	6.651
28	6.739	4.965	4.557	6.665	28	6.739	3.409	5.813	6.665
29	6.752	4.973	4.567	6.678	29	6.752	3.417	5.824	6.678
+81 30	+6.765	+4.982	-4.578	+6.691	+81 30	-6.765	-3.426	+5.834	-6.691
31	6.779	4.990	4.588	6.704	31	6.779	3.434	5.844	6.704
32	6.792	4.998	4.598	6.718	32	6.792	3.442	5.855	6.718
33	6.805	5.007	4.609	6.731	33	6.805	3.451	5.865	6.731
34	6.819	5.015	4.619	6.745	34	6.819	3.459	5.876	6.745
35	6.832	5.024	4.630	6.758	35	6.832	3.468	5.886	6.758
36	6.845	5.032	4.640	6.772	36	6.845	3.476	5.897	6.772
37	6.859	5.041	4.651	6.786	37	6.859	3.485	5.908	6.786
38	6.872	5.050	4.662	6.799	38	6.872	3.494	5.918	6.799
39	6.886	5.058	4.672	6.813	39	6.886	3.502	5.929	6.813
+81 40	+6.900	+5.067	-4.683	+6.827	+81 40	-6.900	-3.511	+5.940	-6.827
41	6.914	5.076	4.694	6.841	41	6.914	3.520	5.950	6.841
42	6.927	5.085	4.705	6.855	42	6.927	3.528	5.961	6.855
43	6.941	5.093	4.716	6.869	43	6.941	3.537	5.972	6.869
44	6.955	5.102	4.727	6.883	44	6.955	3.546	5.983	6.883
45	6.969	5.111	4.738	6.897	45	6.969	3.555	5.994	6.897
46	6.983	5.120	4.749	6.911	46	6.983	3.564	6.005	6.911
47	6.997	5.129	4.760	6.925	47	6.997	3.573	6.016	6.925
48	7.011	5.138	4.771	6.940	48	7.011	3.582	6.027	6.940
49	7.025	5.147	4.782	6.954	49	7.025	3.591	6.038	6.954
+81 50	+7.040	+5.156	-4.793	+6.968	+81 50	-7.040	-3.600	+6.050	-6.968
51	7.054	5.165	4.804	6.983	51	7.054	3.609	6.061	6.983
52	7.068	5.174	4.816	6.997	52	7.068	3.618	6.072	6.997
53	7.083	5.183	4.827	7.012	53	7.083	3.627	6.083	7.012
54	7.097	5.192	4.838	7.026	54	7.097	3.636	6.095	7.026
55	7.112	5.202	4.850	7.041	55	7.112	3.645	6.106	7.041
56	7.126	5.211	4.861	7.056	56	7.126	3.655	6.118	7.056
57	7.141	5.220	4.873	7.071	57	7.141	3.664	6.129	7.071
58	7.156	5.229	4.884	7.085	58	7.156	3.673	6.141	7.085
59	7.170	5.239	4.896	7.100	59	7.170	3.683	6.152	7.100
+81 60	+7.185	+5.248	-4.908	+7.115	+81 60	-7.185	-3.692	+6.164	-7.115

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+82° 0'	+7.185	+5.248	-4.908	+7.115	+82° 0'	-7.185	-3.692	+6.164	-7.115
1	7.200	5.258	4.919	7.130	1	7.200	3.702	6.176	7.130
2	7.215	5.267	4.931	7.146	2	7.215	3.711	6.188	7.146
3	7.230	5.277	4.943	7.161	3	7.230	3.721	6.199	7.161
4	7.245	5.286	4.955	7.176	4	7.245	3.730	6.211	7.176
5	7.260	5.296	4.967	7.191	5	7.260	3.740	6.223	7.191
6	7.276	5.306	4.979	7.207	6	7.276	3.750	6.235	7.207
7	7.291	5.315	4.990	7.222	7	7.291	3.759	6.247	7.222
8	7.306	5.325	5.003	7.238	8	7.306	3.769	6.259	7.238
9	7.322	5.335	5.014	7.253	9	7.322	3.779	6.270	7.253
+82 10	+7.337	+5.344	-5.027	+7.269	+82 10	-7.337	-3.788	+6.283	-7.269
11	7.353	5.354	5.039	7.284	11	7.353	3.798	6.296	7.284
12	7.368	5.364	5.052	7.300	12	7.368	3.808	6.308	7.300
13	7.384	5.374	5.064	7.316	13	7.384	3.818	6.320	7.316
14	7.400	5.384	5.076	7.332	14	7.400	3.828	6.332	7.332
15	7.416	5.394	5.089	7.348	15	7.416	3.838	6.345	7.348
16	7.431	5.404	5.101	7.364	16	7.431	3.848	6.357	7.364
17	7.447	5.414	5.114	7.380	17	7.447	3.858	6.370	7.380
18	7.463	5.425	5.126	7.396	18	7.463	3.869	6.383	7.396
19	7.480	5.435	5.139	7.412	19	7.480	3.879	6.395	7.412
+82 20	+7.496	+5.445	-5.152	+7.429	+82 20	-7.496	-3.889	+6.408	-7.429
21	7.512	5.455	5.164	7.445	21	7.512	3.899	6.421	7.445
22	7.528	5.466	5.177	7.462	22	7.528	3.910	6.433	7.462
23	7.545	5.476	5.190	7.478	23	7.545	3.920	6.446	7.478
24	7.561	5.486	5.203	7.495	24	7.561	3.930	6.459	7.495
25	7.578	5.497	5.216	7.511	25	7.578	3.941	6.472	7.511
26	7.594	5.508	5.229	7.528	26	7.594	3.952	6.485	7.528
27	7.611	5.518	5.242	7.545	27	7.611	3.962	6.498	7.545
28	7.628	5.529	5.255	7.562	28	7.628	3.973	6.511	7.562
29	7.644	5.539	5.268	7.579	29	7.644	3.983	6.525	7.579
+82 30	+7.661	+5.550	-5.282	+7.596	+82 30	-7.661	-3.994	+6.538	-7.596
31	7.678	5.561	5.295	7.613	31	7.678	4.005	6.551	7.613
32	7.695	5.572	5.308	7.630	32	7.695	4.016	6.565	7.630
33	7.712	5.582	5.322	7.647	33	7.712	4.026	6.578	7.647
34	7.730	5.593	5.335	7.665	34	7.730	4.037	6.592	7.665
35	7.747	5.604	5.349	7.682	35	7.747	4.048	6.605	7.682
36	7.764	5.615	5.362	7.700	36	7.764	4.059	6.619	7.700
37	7.782	5.626	5.376	7.717	37	7.782	4.070	6.632	7.717
38	7.799	5.637	5.390	7.735	38	7.799	4.081	6.646	7.735
39	7.817	5.648	5.403	7.753	39	7.817	4.092	6.660	7.753
+82 40	+7.834	+5.660	-5.417	+7.770	+82 40	-7.834	-4.104	+6.674	-7.770
41	7.852	5.671	5.431	7.788	41	7.852	4.115	6.688	7.788
42	7.870	5.682	5.445	7.806	42	7.870	4.126	6.702	7.806
43	7.888	5.694	5.459	7.824	43	7.888	4.138	6.716	7.824
44	7.906	5.705	5.473	7.842	44	7.906	4.149	6.730	7.842
45	7.924	5.716	5.488	7.861	45	7.924	4.160	6.744	7.861
46	7.942	5.728	5.502	7.879	46	7.942	4.172	6.758	7.879
47	7.960	5.739	5.516	7.897	47	7.960	4.183	6.772	7.897
48	7.979	5.751	5.530	7.916	48	7.979	4.195	6.787	7.916
49	7.997	5.763	5.545	7.934	49	7.997	4.207	6.801	7.934
+82 50	+8.016	+5.774	-5.560	+7.953	+82 50	-8.016	-4.218	+6.816	-7.953
51	8.034	5.786	5.574	7.972	51	8.034	4.230	6.830	7.972
52	8.053	5.798	5.589	7.991	52	8.053	4.242	6.845	7.991
53	8.072	5.810	5.603	8.009	53	8.072	4.254	6.860	8.009
54	8.091	5.822	5.618	8.028	54	8.091	4.266	6.874	8.028
55	8.109	5.834	5.633	8.048	55	8.109	4.278	6.889	8.048
56	8.128	5.846	5.648	8.067	56	8.128	4.290	6.904	8.067
57	8.148	5.858	5.663	8.086	57	8.148	4.302	6.919	8.086
58	8.167	5.870	5.678	8.105	58	8.167	4.314	6.934	8.105
59	8.186	5.882	5.693	8.125	59	8.186	4.326	6.949	8.125
+82 60	+8.206	+5.895	-5.708	+8.144	+82 60	-8.206	-4.339	+6.965	-8.144

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+83° 0'	+8.206	+5.895	-5.708	+8.144	+83° 0'	-8.206	-4.339	+6.965	-8.144
1	8.225	5.907	5.724	8.164	1	8.225	4.351	6.980	8.164
2	8.245	5.919	5.739	8.184	2	8.245	4.363	6.995	8.184
3	8.264	5.932	5.754	8.204	3	8.264	4.376	7.011	8.204
4	8.284	5.944	5.770	8.223	4	8.284	4.388	7.026	8.223
5	8.304	5.957	5.785	8.243	5	8.304	4.401	7.042	8.243
6	8.324	5.970	5.801	8.264	6	8.324	4.414	7.057	8.264
7	8.344	5.982	5.817	8.284	7	8.344	4.426	7.073	8.284
8	8.364	5.995	5.832	8.304	8	8.364	4.439	7.089	8.304
9	8.384	6.008	5.848	8.324	9	8.384	4.452	7.105	8.324
+83 10	+8.405	+6.020	-5.864	+8.345	+83 10	-8.405	-4.465	+7.121	-8.345
11	8.425	6.034	5.880	8.366	11	8.425	4.478	7.137	8.366
12	8.446	6.047	5.896	8.386	12	8.446	4.491	7.153	8.386
13	8.466	6.060	5.913	8.407	13	8.466	4.504	7.169	8.407
14	8.487	6.073	5.929	8.428	14	8.487	4.517	7.185	8.428
15	8.508	6.086	5.945	8.449	15	8.508	4.530	7.202	8.449
16	8.529	6.099	5.962	8.470	16	8.529	4.543	7.218	8.470
17	8.550	6.113	5.978	8.491	17	8.550	4.557	7.235	8.491
18	8.571	6.126	5.995	8.513	18	8.571	4.570	7.251	8.513
19	8.592	6.139	6.011	8.534	19	8.592	4.583	7.268	8.534
+83 20	+8.614	+6.153	-6.028	+8.556	+83 20	-8.614	-4.597	+7.284	-8.556
21	8.635	6.167	6.045	8.577	21	8.635	4.611	7.301	8.577
22	8.657	6.180	6.062	8.599	22	8.657	4.624	7.318	8.599
23	8.679	6.194	6.079	8.621	23	8.679	4.638	7.335	8.621
24	8.700	6.208	6.096	8.643	24	8.700	4.652	7.352	8.643
25	8.722	6.222	6.113	8.665	25	8.722	4.666	7.370	8.665
26	8.744	6.236	6.130	8.687	26	8.744	4.680	7.387	8.687
27	8.767	6.250	6.148	8.709	27	8.767	4.694	7.404	8.709
28	8.789	6.264	6.165	8.732	28	8.789	4.708	7.422	8.732
29	8.811	6.278	6.183	8.754	29	8.811	4.722	7.439	8.754
+83 30	+8.834	+6.292	-6.200	+8.777	+83 30	-8.834	-4.736	+7.457	-8.777
31	8.856	6.306	6.218	8.800	31	8.856	4.750	7.474	8.800
32	8.879	6.321	6.236	8.823	32	8.879	4.765	7.492	8.823
33	8.902	6.335	6.254	8.846	33	8.902	4.779	7.510	8.846
34	8.925	6.350	6.272	8.869	34	8.925	4.794	7.528	8.869
35	8.948	6.364	6.290	8.892	35	8.948	4.808	7.546	8.892
36	8.971	6.379	6.308	8.915	36	8.971	4.823	7.564	8.915
37	8.994	6.394	6.326	8.939	37	8.994	4.838	7.583	8.939
38	9.018	6.408	6.345	8.962	38	9.018	4.852	7.601	8.962
39	9.041	6.423	6.363	8.986	39	9.041	4.867	7.620	8.986
+83 40	+9.065	+6.438	-6.382	+9.010	+83 40	-9.065	-4.882	+7.638	-9.010
41	9.089	6.453	6.400	9.034	41	9.089	4.897	7.657	9.034
42	9.113	6.469	6.419	9.058	42	9.113	4.913	7.675	9.058
43	9.137	6.484	6.438	9.082	43	9.137	4.928	7.694	9.082
44	9.161	6.499	6.457	9.106	44	9.161	4.943	7.713	9.106
45	9.186	6.514	6.476	9.131	45	9.186	4.958	7.732	9.131
46	9.210	6.530	6.495	9.156	46	9.210	4.974	7.751	9.156
47	9.235	6.545	6.514	9.180	47	9.235	4.989	7.771	9.180
48	9.259	6.561	6.534	9.205	48	9.259	5.005	7.790	9.205
49	9.284	6.578	6.553	9.230	49	9.284	5.021	7.810	9.230
+83 50	+9.309	+6.593	-6.573	+9.255	+83 50	-9.309	-5.037	+7.829	-9.255
51	9.334	6.608	6.592	9.281	51	9.334	5.052	7.849	9.281
52	9.360	6.624	6.612	9.306	52	9.360	5.068	7.868	9.306
53	9.385	6.640	6.632	9.332	53	9.385	5.084	7.888	9.332
54	9.411	6.657	6.652	9.357	54	9.411	5.101	7.908	9.357
55	9.436	6.673	6.672	9.383	55	9.436	5.117	7.928	9.383
56	9.462	6.689	6.692	9.409	56	9.462	5.133	7.949	9.409
57	9.488	6.706	6.713	9.435	57	9.488	5.150	7.969	9.435
58	9.514	6.722	6.733	9.461	58	9.514	5.166	7.989	9.461
59	9.540	6.739	6.754	9.488	59	9.540	5.183	8.010	9.488
+83 60	+9.567	+6.755	-6.774	+9.514	+83 60	-9.567	-5.199	+8.030	-9.514

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+84° 0'	+ 9.57	+6.76	-6.77	+ 9.51	+84° 0'	- 9.57	-5.20	+8.03	- 9.51
1	9.59	6.77	6.80	9.54	1	9.59	5.22	8.05	9.54
2	9.62	6.79	6.82	9.57	2	9.62	5.23	8.07	9.57
3	9.65	6.80	6.84	9.59	3	9.65	5.25	8.09	9.59
4	9.67	6.82	6.86	9.62	4	9.67	5.27	8.11	9.62
5	9.70	6.84	6.88	9.65	5	9.70	5.28	8.14	9.65
6	9.73	6.86	6.90	9.68	6	9.73	5.30	8.16	9.68
7	9.76	6.87	6.92	9.70	7	9.76	5.32	8.18	9.70
8	9.78	6.89	6.94	9.73	8	9.78	5.34	8.20	9.73
9	9.81	6.91	6.96	9.76	9	9.81	5.35	8.22	9.76
+84 10	+ 9.84	+6.93	-6.99	+ 9.79	+84 10	- 9.84	-5.37	+8.24	- 9.79
11	9.87	6.94	7.01	9.82	11	9.87	5.39	8.26	9.82
12	9.90	6.96	7.03	9.84	12	9.90	5.41	8.29	9.84
13	9.92	6.98	7.05	9.87	13	9.92	5.42	8.31	9.87
14	9.95	7.00	7.08	9.90	14	9.95	5.44	8.33	9.90
15	9.98	7.02	7.10	9.93	15	9.98	5.46	8.35	9.93
16	10.01	7.04	7.12	9.96	16	10.01	5.48	8.38	9.96
17	10.04	7.05	7.14	9.99	17	10.04	5.50	8.40	9.99
18	10.07	7.07	7.17	10.02	18	10.07	5.52	8.42	10.02
19	10.10	7.09	7.19	10.05	19	10.10	5.54	8.45	10.05
+84 20	+10.13	+7.11	-7.21	+10.08	+84 20	-10.13	-5.55	+8.47	-10.08
21	10.16	7.13	7.24	10.11	21	10.16	5.57	8.49	10.11
22	10.19	7.15	7.26	10.14	22	10.19	5.59	8.52	10.14
23	10.22	7.17	7.28	10.17	23	10.22	5.61	8.54	10.17
24	10.25	7.18	7.31	10.20	24	10.25	5.63	8.56	10.20
25	10.28	7.20	7.33	10.23	25	10.28	5.65	8.59	10.23
26	10.31	7.22	7.35	10.26	26	10.31	5.67	8.61	10.26
27	10.34	7.24	7.38	10.29	27	10.34	5.69	8.64	10.29
28	10.37	7.26	7.40	10.32	28	10.37	5.71	8.66	10.32
29	10.40	7.28	7.43	10.35	29	10.40	5.73	8.68	10.35
+84 30	+10.43	+7.30	-7.45	+10.39	+84 30	-10.43	-5.75	+8.71	-10.39
31	10.47	7.32	7.48	10.42	31	10.47	5.77	8.73	10.42
32	10.50	7.34	7.50	10.45	32	10.50	5.79	8.76	10.45
33	10.53	7.36	7.53	10.48	33	10.53	5.81	8.78	10.48
34	10.56	7.38	7.55	10.51	34	10.56	5.83	8.81	10.51
35	10.59	7.40	7.58	10.55	35	10.59	5.85	8.83	10.55
36	10.63	7.42	7.60	10.58	36	10.63	5.87	8.86	10.58
37	10.66	7.44	7.63	10.61	37	10.66	5.89	8.88	10.61
38	10.69	7.47	7.65	10.64	38	10.69	5.91	8.91	10.64
39	10.73	7.49	7.68	10.68	39	10.73	5.93	8.94	10.68
+84 40	+10.76	+7.51	-7.71	+10.71	+84 40	-10.76	-5.95	+8.96	-10.71
41	10.79	7.53	7.73	10.75	41	10.79	5.97	8.99	10.75
42	10.83	7.55	7.76	10.78	42	10.83	5.99	9.02	10.78
43	10.86	7.57	7.78	10.81	43	10.86	6.02	9.04	10.81
44	10.89	7.59	7.81	10.85	44	10.89	6.04	9.07	10.85
45	10.93	7.62	7.84	10.88	45	10.93	6.06	9.10	10.88
46	10.96	7.64	7.87	10.92	46	10.96	6.08	9.12	10.92
47	11.00	7.66	7.89	10.95	47	11.00	6.10	9.15	10.95
48	11.03	7.68	7.92	10.99	48	11.03	6.12	9.18	10.99
49	11.07	7.70	7.95	11.02	49	11.07	6.15	9.20	11.02
+84 50	+11.10	+7.73	-7.98	+11.06	+84 50	-11.10	-6.17	+9.23	-11.06
51	11.14	7.75	8.00	11.10	51	11.14	6.19	9.26	11.10
52	11.18	7.77	8.03	11.13	52	11.18	6.22	9.29	11.13
53	11.21	7.79	8.06	11.17	53	11.21	6.24	9.32	11.17
54	11.25	7.82	8.09	11.20	54	11.25	6.26	9.35	11.20
55	11.29	7.84	8.12	11.24	55	11.29	6.28	9.37	11.24
56	11.32	7.86	8.15	11.28	56	11.32	6.31	9.40	11.28
57	11.36	7.89	8.18	11.32	57	11.36	6.33	9.43	11.32
58	11.40	7.91	8.21	11.35	58	11.40	6.36	9.46	11.35
59	11.44	7.94	8.24	11.39	59	11.44	6.38	9.49	11.39
+84 60	+11.47	+7.96	-8.26	+11.43	+84 60	-11.47	-6.40	+9.52	-11.43

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+85° 0'	+11.47	+7.96	- 8.26	+11.43	+85° 0'	-11.47	-6.40	+ 9.52	-11.43
1	11.51	7.98	8.29	11.47	1	11.51	6.42	9.55	11.47
2	11.55	8.01	8.32	11.51	2	11.55	6.45	9.58	11.51
3	11.59	8.03	8.36	11.55	3	11.59	6.48	9.61	11.55
4	11.63	8.06	8.38	11.59	4	11.63	6.50	9.64	11.59
5	11.67	8.08	8.42	11.62	5	11.67	6.52	9.67	11.62
6	11.71	8.11	8.45	11.66	6	11.71	6.55	9.70	11.66
7	11.75	8.13	8.48	11.70	7	11.75	6.58	9.74	11.70
8	11.79	8.16	8.51	11.74	8	11.79	6.60	9.77	11.74
9	11.83	8.18	8.54	11.79	9	11.83	6.63	9.80	11.79
+85 10	+11.87	+8.21	- 8.57	+11.83	+85 10	-11.87	-6.65	+ 9.83	-11.83
11	11.91	8.23	8.60	11.87	11	11.91	6.68	9.86	11.87
12	11.95	8.26	8.64	11.91	12	11.95	6.70	9.89	11.91
13	11.99	8.28	8.67	11.95	13	11.99	6.73	9.92	11.95
14	12.03	8.31	8.70	11.99	14	12.03	6.76	9.96	11.99
15	12.08	8.34	8.74	12.03	15	12.08	6.78	9.99	12.03
16	12.12	8.36	8.77	12.08	16	12.12	6.81	10.02	12.08
17	12.16	8.39	8.80	12.12	17	12.16	6.84	10.06	12.12
18	12.20	8.42	8.84	12.16	18	12.20	6.86	10.09	12.16
19	12.25	8.45	8.87	12.21	19	12.25	6.89	10.12	12.21
+85 20	+12.29	+8.48	- 8.90	+12.25	+85 20	-12.29	-6.92	+10.16	-12.25
21	12.34	8.50	8.94	12.29	21	12.34	6.95	10.19	12.29
22	12.38	8.53	8.97	12.34	22	12.38	6.97	10.23	12.34
23	12.42	8.56	9.01	12.38	23	12.42	7.00	10.26	12.38
24	12.47	8.59	9.04	12.43	24	12.47	7.03	10.30	12.43
25	12.51	8.62	9.08	12.47	25	12.51	7.06	10.33	12.47
26	12.56	8.64	9.11	12.52	26	12.56	7.09	10.37	12.52
27	12.61	8.67	9.15	12.57	27	12.61	7.12	10.40	12.57
28	12.65	8.70	9.18	12.61	28	12.65	7.15	10.44	12.61
29	12.70	8.73	9.22	12.66	29	12.70	7.17	10.48	12.66
+85 30	+12.75	+8.76	- 9.26	+12.71	+85 30	-12.75	-7.20	+10.51	-12.71
31	12.79	8.79	9.30	12.75	31	12.79	7.23	10.55	12.75
32	12.84	8.82	9.33	12.80	32	12.84	7.26	10.59	12.80
33	12.89	8.85	9.37	12.85	33	12.89	7.29	10.62	12.85
34	12.94	8.88	9.41	12.90	34	12.94	7.33	10.66	12.90
35	12.99	8.91	9.44	12.95	35	12.99	7.36	10.70	12.95
36	13.03	8.94	9.48	13.00	36	13.03	7.39	10.74	13.00
37	13.08	8.97	9.52	13.05	37	13.08	7.42	10.78	13.05
38	13.13	9.00	9.56	13.10	38	13.13	7.45	10.82	13.10
39	13.18	9.04	9.60	13.15	39	13.18	7.48	10.86	13.15
+85 40	+13.23	+9.07	- 9.64	+13.20	+85 40	-13.23	-7.51	+10.90	-13.20
41	13.29	9.10	9.68	13.25	41	13.29	7.54	10.94	13.25
42	13.34	9.13	9.72	13.30	42	13.34	7.58	10.98	13.30
43	13.39	9.17	9.76	13.35	43	13.39	7.61	11.02	13.35
44	13.44	9.20	9.80	13.40	44	13.44	7.64	11.06	13.40
45	13.49	9.23	9.84	13.46	45	13.49	7.67	11.10	13.46
46	13.55	9.27	9.88	13.51	46	13.55	7.71	11.14	13.51
47	13.60	9.30	9.92	13.56	47	13.60	7.74	11.18	13.56
48	13.65	9.33	9.97	13.62	48	13.65	7.78	11.22	13.62
49	13.71	9.37	10.01	13.67	49	13.71	7.81	11.26	13.67
+85 50	+13.76	+9.40	-10.05	+13.73	+85 50	-13.76	-7.85	+11.31	-13.73
51	13.82	9.44	10.10	13.78	51	13.82	7.88	11.35	13.78
52	13.87	9.47	10.14	13.84	52	13.87	7.92	11.39	13.84
53	13.93	9.51	10.18	13.89	53	13.93	7.95	11.44	13.89
54	13.99	9.54	10.23	13.95	54	13.99	7.99	11.48	13.95
55	14.04	9.58	10.27	14.01	55	14.04	8.02	11.53	14.01
56	14.10	9.61	10.32	14.07	56	14.10	8.06	11.57	14.07
57	14.16	9.65	10.36	14.12	57	14.16	8.10	11.62	14.12
58	14.22	9.69	10.41	14.18	58	14.22	8.13	11.66	14.18
59	14.28	9.72	10.45	14.24	59	14.28	8.17	11.71	14.24
+85 60	+14.34	+9.76	-10.50	+14.30	+85 60	-14.34	-8.21	+11.75	-14.30

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+86° 0'	+14.34	+ 9.76	-10.50	+14.30	+86° 0'	-14.34	- 8.21	+11.75	-14.30
1	14.40	9.80	10.54	14.36	1	14.40	8.24	11.80	14.36
2	14.46	9.84	10.59	14.42	2	14.46	8.28	11.85	14.42
3	14.52	9.88	10.64	14.48	3	14.52	8.32	11.90	14.48
4	14.58	9.92	10.69	14.54	4	14.58	8.36	11.94	14.54
5	14.64	9.95	10.74	14.61	5	14.64	8.40	11.99	14.61
6	14.70	9.99	10.78	14.67	6	14.70	8.44	12.04	14.67
7	14.77	10.03	10.83	14.73	7	14.77	8.48	12.09	14.73
8	14.83	10.07	10.88	14.80	8	14.83	8.52	12.14	14.80
9	14.89	10.11	10.93	14.86	9	14.89	8.56	12.19	14.86
+86 10	+14.96	+10.15	-10.98	+14.92	+86 10	-14.96	- 8.60	+12.24	-14.92
11	15.02	10.20	11.03	14.99	11	15.02	8.64	12.29	14.99
12	15.09	10.24	11.09	15.06	12	15.09	8.68	12.34	15.06
13	15.16	10.28	11.14	15.12	13	15.16	8.72	12.39	15.12
14	15.22	10.32	11.19	15.19	14	15.22	8.76	12.44	15.19
15	15.29	10.36	11.24	15.26	15	15.29	8.81	12.50	15.26
16	15.36	10.41	11.30	15.33	16	15.36	8.85	12.55	15.33
17	15.43	10.45	11.35	15.39	17	15.43	8.89	12.60	15.39
18	15.50	10.50	11.40	15.46	18	15.50	8.94	12.66	15.46
19	15.57	10.54	11.46	15.53	19	15.57	8.98	12.71	15.53
+86 20	+15.64	+10.58	-11.51	+15.60	+86 20	-15.64	- 9.03	+12.77	-15.60
21	15.71	10.63	11.57	15.68	21	15.71	9.07	12.82	15.68
22	15.78	10.67	11.62	15.75	22	15.78	9.12	12.88	15.75
23	15.85	10.72	11.68	15.82	23	15.85	9.16	12.94	15.82
24	15.93	10.76	11.74	15.89	24	15.93	9.21	13.00	15.89
25	16.00	10.81	11.80	15.97	25	16.00	9.25	13.05	15.97
26	16.07	10.86	11.85	16.04	26	16.07	9.30	13.11	16.04
27	16.15	10.90	11.91	16.12	27	16.15	9.35	13.17	16.12
28	16.23	10.95	11.97	16.20	28	16.23	9.40	13.23	16.20
29	16.30	11.00	12.03	16.27	29	16.30	9.44	13.29	16.27
+86 30	+16.38	+11.05	-12.09	+16.35	+86 30	-16.38	- 9.49	+13.35	-16.35
31	16.46	11.10	12.15	16.43	31	16.46	9.54	13.41	16.43
32	16.54	11.15	12.22	16.51	32	16.54	9.59	13.47	16.51
33	16.62	11.20	12.28	16.59	33	16.62	9.64	13.53	16.59
34	16.70	11.25	12.34	16.67	34	16.70	9.69	13.60	16.67
35	16.78	11.30	12.40	16.75	35	16.78	9.74	13.66	16.75
36	16.86	11.35	12.47	16.83	36	16.86	9.80	13.72	16.83
37	16.94	11.40	12.53	16.92	37	16.94	9.85	13.79	16.92
38	17.03	11.46	12.60	17.00	38	17.03	9.90	13.85	17.00
39	17.11	11.51	12.66	17.08	39	17.11	9.96	13.92	17.08
+86 40	+17.20	+11.56	-12.73	+17.17	+86 40	-17.20	-10.01	+13.99	-17.17
41	17.28	11.62	12.80	17.26	41	17.28	10.06	14.05	17.26
42	17.37	11.67	12.86	17.34	42	17.37	10.12	14.12	17.34
43	17.46	11.73	12.93	17.43	43	17.46	10.17	14.19	17.43
44	17.55	11.78	13.00	17.52	44	17.55	10.23	14.26	17.52
45	17.64	11.84	13.07	17.61	45	17.64	10.29	14.33	17.61
46	17.73	11.90	13.14	17.70	46	17.73	10.34	14.40	17.70
47	17.82	11.96	13.22	17.79	47	17.82	10.40	14.47	17.79
48	17.91	12.02	13.29	17.89	48	17.91	10.46	14.54	17.89
49	18.01	12.07	13.36	17.98	49	18.01	10.52	14.62	17.98
+86 50	+18.10	+12.13	-13.44	+18.07	+86 50	-18.10	-10.58	+14.69	-18.07
51	18.20	12.19	13.51	18.17	51	18.20	10.64	14.76	18.17
52	18.30	12.26	13.58	18.27	52	18.30	10.70	14.84	18.27
53	18.39	12.32	13.66	18.37	53	18.39	10.76	14.92	18.37
54	18.49	12.38	13.74	18.46	54	18.49	10.82	14.99	18.46
55	18.59	12.44	13.82	18.56	55	18.59	10.88	15.07	18.56
56	18.69	12.50	13.89	18.67	56	18.69	10.95	15.15	18.67
57	18.79	12.57	13.97	18.77	57	18.79	11.01	15.23	18.77
58	18.90	12.63	14.05	18.87	58	18.90	11.08	15.31	18.87
59	19.00	12.70	14.14	18.98	59	19.00	11.14	15.39	18.98
+86 60	+19.11	+12.76	-14.22	+19.08	+86 60	-19.11	-11.21	+15.47	-19.08

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+87° 0'	+19.11	+12.76	-14.22	+19.08	+87° 0'	-19.11	-11.21	+15.47	-19.08
1	19.21	12.83	14.30	19.19	1	19.21	11.28	15.56	19.19
2	19.32	12.90	14.38	19.30	2	19.32	11.34	15.64	19.30
3	19.43	12.97	14.47	19.41	3	19.43	11.41	15.72	19.41
4	19.54	13.04	14.56	19.52	4	19.54	11.48	15.81	19.52
5	19.65	13.11	14.64	19.63	5	19.65	11.55	15.90	19.63
6	19.77	13.18	14.73	19.74	6	19.77	11.62	15.99	19.74
7	19.88	13.25	14.82	19.85	7	19.88	11.70	16.08	19.85
8	20.00	13.32	14.91	19.97	8	20.00	11.77	16.17	19.97
9	20.11	13.40	15.00	20.09	9	20.11	11.84	16.26	20.09
+87 10	+20.23	+13.47	-15.09	+20.21	+87 10	-20.23	-11.92	+16.35	-20.21
11	20.35	13.55	15.18	20.33	11	20.35	11.99	16.44	20.33
12	20.47	13.62	15.28	20.45	12	20.47	12.07	16.54	20.45
13	20.59	13.70	15.38	20.57	13	20.59	12.14	16.63	20.57
14	20.72	13.78	15.47	20.69	14	20.72	12.22	16.73	20.69
15	20.84	13.86	15.57	20.82	15	20.84	12.30	16.83	20.82
16	20.97	13.94	15.67	20.95	16	20.97	12.38	16.92	20.95
17	21.10	14.02	15.77	21.07	17	21.10	12.46	17.02	21.07
18	21.23	14.10	15.87	21.20	18	21.23	12.54	17.13	21.20
19	21.36	14.18	15.97	21.34	19	21.36	12.63	17.23	21.34
+87 20	+21.49	+14.27	-16.08	+21.47	+87 20	-21.49	-12.71	+17.33	-21.47
21	21.63	14.35	16.18	21.61	21	21.63	12.80	17.44	21.61
22	21.77	14.44	16.29	21.74	22	21.77	12.88	17.54	21.74
23	21.90	14.52	16.40	21.88	23	21.90	12.97	17.65	21.88
24	22.04	14.61	16.51	22.02	24	22.04	13.06	17.76	22.02
25	22.19	14.70	16.62	22.16	25	22.19	13.15	17.87	22.16
26	22.33	14.79	16.73	22.31	26	22.33	13.24	17.98	22.31
27	22.48	14.88	16.84	22.45	27	22.48	13.33	18.10	22.45
28	22.62	14.98	16.96	22.60	28	22.62	13.42	18.21	22.60
29	22.77	15.07	17.07	22.75	29	22.77	13.52	18.33	22.75
+87 30	+22.93	+15.17	-17.19	+22.90	+87 30	-22.93	-13.61	+18.45	-22.90
31	23.08	15.26	17.31	23.06	31	23.08	13.71	18.57	23.06
32	23.24	15.36	17.43	23.21	32	23.24	13.81	18.69	23.21
33	23.39	15.46	17.56	23.37	33	23.39	13.91	18.81	23.37
34	23.55	15.56	17.68	23.53	34	23.55	14.01	18.94	23.53
35	23.72	15.66	17.81	23.69	35	23.72	14.11	19.06	23.69
36	23.88	15.77	17.94	23.86	36	23.88	14.21	19.19	23.86
37	24.05	15.87	18.07	24.03	37	24.05	14.32	19.32	24.03
38	24.22	15.98	18.20	24.20	38	24.22	14.42	19.45	24.20
39	24.39	16.09	18.33	24.37	39	24.39	14.53	19.59	24.37
+87 40	+24.56	+16.20	-18.47	+24.54	+87 40	-24.56	-14.64	+19.72	-24.54
41	24.74	16.31	18.60	24.72	41	24.74	14.75	19.86	24.72
42	24.92	16.42	18.74	24.90	42	24.92	14.86	20.00	24.90
43	25.10	16.53	18.88	25.08	43	25.10	14.98	20.14	25.08
44	25.28	16.65	19.03	25.26	44	25.28	15.09	20.28	25.26
45	25.47	16.77	19.17	25.45	45	25.47	15.21	20.43	25.45
46	25.66	16.89	19.32	25.64	46	25.66	15.33	20.58	25.64
47	25.85	17.01	19.47	25.83	47	25.85	15.45	20.73	25.83
48	26.05	17.13	19.62	26.03	48	26.05	15.58	20.88	26.03
49	26.25	17.26	19.78	26.23	49	26.25	15.70	21.03	26.23
+87 50	+26.45	+17.38	-19.94	+26.43	+87 50	-26.45	-15.83	+21.19	-26.43
51	26.66	17.51	20.10	26.64	51	26.66	15.96	21.35	26.64
52	26.86	17.64	20.26	26.84	52	26.86	16.09	21.51	26.84
53	27.08	17.78	20.42	27.06	53	27.08	16.22	21.68	27.06
54	27.29	17.91	20.59	27.27	54	27.29	16.36	21.85	27.27
55	27.51	18.05	20.76	27.49	55	27.51	16.49	22.02	27.49
56	27.73	18.19	20.93	27.71	56	27.73	16.63	22.19	27.71
57	27.96	18.33	21.11	27.94	57	27.96	16.77	22.36	27.94
58	28.18	18.47	21.29	28.17	58	28.18	16.92	22.54	28.17
59	28.42	18.62	21.47	28.40	59	28.42	17.06	22.72	28.40
+87 60	+28.65	+18.77	-21.65	+28.64	+87 60	-28.65	-17.21	+22.91	-28.64

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+88° 0' 0''	+28.65	+18.77	-21.65	+28.64	+88° 0' 0''	-28.65	-17.21	+22.91	-28.64
10	28.69	18.79	21.68	28.68	10	28.69	17.24	22.94	28.68
20	28.73	18.82	21.71	28.72	20	28.73	17.26	22.97	28.72
30	28.77	18.84	21.74	28.76	30	28.77	17.29	23.00	28.76
40	28.81	18.87	21.78	28.80	40	28.81	17.31	23.03	28.80
50	28.85	18.89	21.81	28.84	50	28.85	17.34	23.06	28.84
+88 1 0	+28.89	+18.92	-21.84	+28.88	+88 1 0	-28.89	-17.36	+23.10	-28.88
10	28.93	18.94	21.87	28.92	10	28.93	17.39	23.13	28.92
20	28.98	18.97	21.90	28.96	20	28.98	17.42	23.16	28.96
30	29.02	19.00	21.93	29.00	30	29.02	17.44	23.19	29.00
40	29.06	19.02	21.97	29.04	40	29.06	17.47	23.22	29.04
50	29.10	19.05	22.00	29.08	50	29.10	17.49	23.25	29.08
+88 2 0	+29.14	+19.07	-22.03	+29.12	+88 2 0	-29.14	-17.52	+23.28	-29.12
10	29.18	19.10	22.06	29.16	10	29.18	17.54	23.32	29.16
20	29.22	19.13	22.09	29.20	20	29.22	17.57	23.35	29.20
30	29.26	19.15	22.13	29.25	30	29.26	17.60	23.38	29.25
40	29.30	19.18	22.16	29.29	40	29.30	17.62	23.41	29.29
50	29.35	19.20	22.19	29.33	50	29.35	17.65	23.45	29.33
+88 3 0	+29.39	+19.23	-22.22	+29.37	+88 3 0	-29.39	-17.67	+23.48	-29.37
10	29.43	19.26	22.26	29.41	10	29.43	17.70	23.51	29.41
20	29.47	19.28	22.29	29.46	20	29.47	17.73	23.54	29.46
30	29.51	19.31	22.32	29.50	30	29.51	17.75	23.58	29.50
40	29.56	19.34	22.35	29.54	40	29.56	17.78	23.61	29.54
50	29.60	19.36	22.39	29.58	50	29.60	17.81	23.64	29.58
+88 4 0	+29.64	+19.39	-22.42	+29.62	+88 4 0	-29.64	-17.83	+23.68	-29.62
10	29.68	19.42	22.45	29.67	10	29.68	17.86	23.71	29.67
20	29.73	19.44	22.49	29.71	20	29.73	17.89	23.74	29.71
30	29.77	19.47	22.52	29.75	30	29.77	17.91	23.78	29.75
40	29.81	19.50	22.55	29.80	40	29.81	17.94	23.81	29.80
50	29.86	19.52	22.59	29.84	50	29.86	17.97	23.84	29.84
+88 5 0	+29.90	+19.55	-22.62	+29.88	+88 5 0	-29.90	-18.00	+23.88	-29.88
10	29.94	19.58	22.66	29.93	10	29.94	18.02	23.91	29.93
20	29.99	19.61	22.69	29.97	20	29.99	18.05	23.94	29.97
30	30.03	19.63	22.72	30.01	30	30.03	18.08	23.98	30.01
40	30.07	19.66	22.76	30.06	40	30.07	18.10	24.01	30.06
50	30.12	19.69	22.79	30.10	50	30.12	18.13	24.05	30.10
+88 6 0	+30.16	+19.72	-22.82	+30.14	+88 6 0	-30.16	-18.16	+24.08	-30.14
10	30.21	19.74	22.86	30.19	10	30.21	18.19	24.12	30.19
20	30.25	19.77	22.89	30.23	20	30.25	18.22	24.15	30.23
30	30.29	19.80	22.93	30.28	30	30.29	18.24	24.18	30.28
40	30.34	19.83	22.96	30.32	40	30.34	18.27	24.22	30.32
50	30.38	19.86	23.00	30.37	50	30.38	18.30	24.25	30.37
+88 7 0	+30.43	+19.88	-23.03	+30.41	+88 7 0	-30.43	-18.33	+24.29	-30.41
10	30.47	19.91	23.07	30.46	10	30.47	18.36	24.32	30.46
20	30.52	19.94	23.10	30.50	20	30.52	18.38	24.36	30.50
30	30.56	19.97	23.14	30.55	30	30.56	18.41	24.39	30.55
40	30.61	20.00	23.17	30.59	40	30.61	18.44	24.43	30.59
50	30.65	20.03	23.21	30.64	50	30.65	18.47	24.46	30.64
+88 8 0	+30.70	+20.06	-23.24	+30.68	+88 8 0	-30.70	-18.50	+24.50	-30.68
10	30.75	20.08	23.28	30.73	10	30.75	18.53	24.54	30.73
20	30.79	20.11	23.32	30.77	20	30.79	18.56	24.57	30.77
30	30.84	20.14	23.35	30.82	30	30.84	18.58	24.61	30.82
40	30.88	20.17	23.39	30.87	40	30.88	18.61	24.64	30.87
50	30.93	20.20	23.42	30.91	50	30.93	18.64	24.68	30.91
+88 9 0	+30.98	+20.23	-23.46	+30.96	+88 9 0	-30.98	-18.67	+24.72	-30.96
10	31.02	20.26	23.50	31.01	10	31.02	18.70	24.75	31.01
20	31.07	20.29	23.53	31.05	20	31.07	18.73	24.79	31.05
30	31.12	20.32	23.57	31.10	30	31.12	18.76	24.82	31.10
40	31.16	20.35	23.60	31.15	40	31.16	18.79	24.86	31.15
50	31.21	20.38	23.64	31.19	50	31.21	18.82	24.90	31.19
+88 10 0	+31.26	+20.40	-23.68	+31.24	+88 10 0	-31.26	-18.85	+24.94	-31.24

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+88° 10' 0''	+31.26	+20.40	-23.68	+31.24	+88° 10' 0''	-31.26	-18.85	+24.94	-31.24
10	31.30	20.44	23.72	31.29	10	31.30	18.88	24.97	31.29
20	31.35	20.46	23.75	31.34	20	31.35	18.91	25.01	31.34
30	31.40	20.50	23.79	31.38	30	31.40	18.94	25.05	31.38
40	31.45	20.52	23.83	31.43	40	31.45	18.97	25.08	31.43
50	31.50	20.56	23.86	31.48	50	31.50	19.00	25.12	31.48
+88 11 0	+31.54	+20.58	-23.90	+31.53	+88 11 0	-31.54	-19.03	+25.16	-31.53
10	31.59	20.62	23.94	31.58	10	31.59	19.06	25.20	31.58
20	31.64	20.65	23.98	31.63	20	31.64	19.09	25.23	31.63
30	31.69	20.68	24.02	31.67	30	31.69	19.12	25.27	31.67
40	31.74	20.71	24.05	31.72	40	31.74	19.15	25.31	31.72
50	31.79	20.74	24.09	31.77	50	31.79	19.18	25.35	31.77
+88 12 0	+31.84	+20.77	-24.13	+31.82	+88 12 0	-31.84	-19.21	+25.38	-31.82
10	31.89	20.80	24.17	31.87	10	31.89	19.24	25.42	31.87
20	31.93	20.83	24.21	31.92	20	31.93	19.28	25.46	31.92
30	31.98	20.86	24.24	31.97	30	31.98	19.31	25.50	31.97
40	32.03	20.89	24.28	32.02	40	32.03	19.34	25.54	32.02
50	32.08	20.92	24.32	32.07	50	32.08	19.37	25.58	32.07
+88 13 0	+32.13	+20.96	-24.36	+32.12	+88 13 0	-32.13	-19.40	+25.62	-32.12
10	32.18	20.99	24.40	32.17	10	32.18	19.43	25.66	32.17
20	32.23	21.02	24.44	32.22	20	32.23	19.46	25.69	32.22
30	32.28	21.05	24.48	32.27	30	32.28	19.50	25.73	32.27
40	32.34	21.08	24.52	32.32	40	32.34	19.53	25.77	32.32
50	32.39	21.11	24.56	32.37	50	32.39	19.56	25.81	32.37
+88 14 0	+32.44	+21.15	-24.60	+32.42	+88 14 0	-32.44	-19.59	+25.85	-32.42
10	32.49	21.18	24.64	32.47	10	32.49	19.62	25.89	32.47
20	32.54	21.21	24.68	32.52	20	32.54	19.66	25.93	32.52
30	32.59	21.24	24.72	32.58	30	32.59	19.69	25.97	32.58
40	32.64	21.28	24.76	32.63	40	32.64	19.72	26.01	32.63
50	32.69	21.31	24.80	32.68	50	32.69	19.75	26.05	32.68
+88 15 0	+32.75	+21.34	-24.84	+32.73	+88 15 0	-32.75	-19.78	+26.09	-32.73
10	32.80	21.37	24.88	32.78	10	32.80	19.82	26.13	32.78
20	32.85	21.41	24.92	32.83	20	32.85	19.85	26.17	32.83
30	32.90	21.44	24.96	32.89	30	32.90	19.88	26.22	32.89
40	32.95	21.47	25.00	32.94	40	32.95	19.92	26.26	32.94
50	33.01	21.50	25.04	32.99	50	33.01	19.95	26.30	32.99
+88 16 0	+33.06	+21.54	-25.08	+33.05	+88 16 0	-33.06	-19.98	+26.34	-33.05
10	33.11	21.57	25.12	33.10	10	33.11	20.02	26.38	33.10
20	33.17	21.60	25.16	33.15	20	33.17	20.05	26.42	33.15
30	33.22	21.64	25.21	33.20	30	33.22	20.08	26.46	33.20
40	33.27	21.67	25.25	33.26	40	33.27	20.12	26.50	33.26
50	33.33	21.71	25.29	33.31	50	33.33	20.15	26.55	33.31
+88 17 0	+33.38	+21.74	-25.33	+33.37	+88 17 0	-33.38	-20.18	+26.59	-33.37
10	33.44	21.77	25.37	33.42	10	33.44	20.22	26.63	33.42
20	33.49	21.81	25.42	33.47	20	33.49	20.25	26.67	33.47
30	33.54	21.84	25.46	33.53	30	33.54	20.29	26.71	33.53
40	33.60	21.88	25.50	33.58	40	33.60	20.32	26.76	33.58
50	33.65	21.91	25.54	33.64	50	33.65	20.35	26.80	33.64
+88 18 0	+33.71	+21.95	-25.59	+33.69	+88 18 0	-33.71	-20.39	+26.84	-33.69
10	33.76	21.98	25.63	33.75	10	33.76	20.42	26.88	33.75
20	33.82	22.02	25.67	33.80	20	33.82	20.46	26.93	33.80
30	33.87	22.05	25.72	33.86	30	33.87	20.49	26.97	33.86
40	33.93	22.08	25.76	33.92	40	33.93	20.53	27.02	33.92
50	33.99	22.12	25.80	33.97	50	33.99	20.56	27.06	33.97
+88 19 0	+34.04	+22.16	-25.85	+34.03	+88 19 0	-34.04	-20.60	+27.10	-34.03
10	34.10	22.19	25.89	34.08	10	34.10	20.64	27.15	34.08
20	34.15	22.23	25.93	34.14	20	34.15	20.67	27.19	34.14
30	34.21	22.26	25.98	34.20	30	34.21	20.71	27.23	34.20
40	34.27	22.30	26.02	34.25	40	34.27	20.74	27.28	34.25
50	34.33	22.33	26.07	34.31	50	34.33	20.78	27.32	34.31
+88 20 0	+34.38	+22.37	-26.11	+34.37	+88 20 0	-34.38	-20.81	+27.37	-34.37

δ	C	B	A	TAN δ	δ S. P.	C	B	A	TAN δ
+88° 20' 0''	+34.38	+22.37	-26.11	+34.37	+88° 20' 0''	-34.38	-20.81	+27.37	-34.37
10	34.44	22.40	26.15	34.43	10	34.44	20.85	27.41	34.43
20	34.50	22.44	26.20	34.48	20	34.50	20.89	27.46	34.48
30	34.56	22.48	26.24	34.54	30	34.56	20.92	27.50	34.54
40	34.61	22.51	26.29	34.60	40	34.61	20.96	27.55	34.60
50	34.67	22.55	26.34	34.66	50	34.67	21.00	27.59	34.66
+88 21 0	+34.73	+22.59	-26.38	+34.72	+88 21 0	-34.73	-21.03	+27.64	-34.72
10	34.79	22.62	26.43	34.77	10	34.79	21.07	27.68	34.77
20	34.85	22.66	26.47	34.83	20	34.85	21.10	27.73	34.83
30	34.91	22.70	26.52	34.89	30	34.91	21.14	27.77	34.89
40	34.96	22.74	26.56	34.95	40	34.96	21.18	27.82	34.95
50	35.02	22.77	26.61	35.01	50	35.02	21.22	27.87	35.01
+88 22 0	+35.08	+22.81	-26.66	+35.07	+88 22 0	-35.08	-21.25	+27.91	-35.07
10	35.14	22.85	26.70	35.13	10	35.14	21.29	27.96	35.13
20	35.20	22.88	26.75	35.19	20	35.20	21.33	28.01	35.19
30	35.26	22.92	26.80	35.25	30	35.26	21.37	28.05	35.25
40	35.32	22.96	26.84	35.31	40	35.32	21.40	28.10	35.31
50	35.38	23.00	26.89	35.37	50	35.38	21.44	28.15	35.37
+88 23 0	+35.45	+23.04	-26.94	+35.43	+88 23 0	-35.45	-21.48	+28.19	-35.43
10	35.51	23.08	26.99	35.49	10	35.51	21.52	28.24	35.49
20	35.57	23.11	27.03	35.55	20	35.57	21.56	28.29	35.55
30	35.63	23.15	27.08	35.61	30	35.63	21.60	28.34	35.61
40	35.69	23.19	27.13	35.68	40	35.69	21.64	28.38	35.68
50	35.75	23.23	27.18	35.74	50	35.75	21.67	28.43	35.74
+88 24 0	+35.81	+23.27	-27.22	+35.80	+88 24 0	-35.81	-21.71	+28.48	-35.80
10	35.88	23.31	27.27	35.86	10	35.88	21.75	28.53	35.86
20	35.94	23.35	27.32	35.93	20	35.94	21.79	28.58	35.93
30	36.00	23.39	27.37	35.99	30	36.00	21.83	28.63	35.99
40	36.06	23.43	27.42	36.05	40	36.06	21.87	28.68	36.05
50	36.13	23.47	27.47	36.11	50	36.13	21.91	28.73	36.11
+88 25 0	+36.19	+23.51	-27.52	+36.18	+88 25 0	-36.19	-21.95	+28.78	-36.18
10	36.26	23.55	27.57	36.24	10	36.26	21.99	28.82	36.24
20	36.32	23.59	27.62	36.31	20	36.32	22.03	28.87	36.31
30	36.38	23.63	27.67	36.37	30	36.38	22.07	28.92	36.37
40	36.45	23.67	27.72	36.43	40	36.45	22.11	28.97	36.43
50	36.51	23.71	27.77	36.50	50	36.51	22.15	29.02	36.50
+88 26 0	+36.58	+23.75	-27.82	+36.56	+88 26 0	-36.58	-22.19	+29.07	-36.56
10	36.64	23.79	27.87	36.63	10	36.64	22.23	29.12	36.63
20	36.71	23.83	27.92	36.69	20	36.71	22.27	29.18	36.69
30	36.77	23.87	27.97	36.76	30	36.77	22.32	29.23	36.76
40	36.84	23.91	28.02	36.82	40	36.84	22.36	29.28	36.82
50	36.90	23.95	28.07	36.89	50	36.90	22.40	29.33	36.89
+88 27 0	+36.97	+24.00	-28.12	+36.96	+88 27 0	-36.97	-22.44	+29.38	-36.96
10	37.04	24.04	28.18	37.02	10	37.04	22.48	29.43	37.02
20	37.10	24.08	28.23	37.09	20	37.10	22.52	29.48	37.09
30	37.17	24.12	28.28	37.16	30	37.17	22.56	29.54	37.16
40	37.24	24.16	28.33	37.22	40	37.24	22.61	29.59	37.22
50	37.30	24.20	28.38	37.29	50	37.30	22.65	29.64	37.29
+88 28 0	+37.37	+24.25	-28.44	+37.36	+88 28 0	-37.37	-22.69	+29.69	-37.36
10	37.44	24.29	28.49	37.43	10	37.44	22.73	29.75	37.43
20	37.51	24.33	28.54	37.49	20	37.51	22.78	29.80	37.49
30	37.58	24.37	28.60	37.56	30	37.58	22.82	29.85	37.56
40	37.64	24.42	28.65	37.63	40	37.64	22.86	29.90	37.63
50	37.71	24.46	28.70	37.70	50	37.71	22.91	29.96	37.70
+88 29 0	+37.78	+24.51	-28.76	+37.77	+88 29 0	-37.78	-22.95	+30.01	-37.77
10	37.85	24.55	28.81	37.84	10	37.85	22.99	30.07	37.84
20	37.92	24.59	28.86	37.91	20	37.92	23.04	30.12	37.91
30	37.99	24.63	28.92	37.98	30	37.99	23.08	30.18	37.98
40	38.06	24.68	28.97	38.05	40	38.06	23.12	30.23	38.05
50	38.13	24.72	29.03	38.12	50	38.13	23.17	30.28	38.12
+88 30 0	+38.20	+24.77	-29.08	+38.19	+88 30 0	-38.20	-23.21	+30.34	-38.19

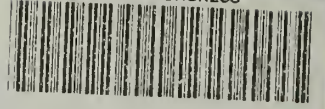
δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+88° 30' 0''	+38.20	+24.77	-29.08	+38.19	+88° 30' 0''	-38.20	-23.21	+30.34	-38.19
10	38.27	24.81	29.14	38.26	10	38.27	23.26	30.39	38.26
20	38.34	24.86	29.19	38.33	20	38.34	23.30	30.45	38.33
30	38.41	24.90	29.25	38.40	30	38.41	23.35	30.50	38.40
40	38.49	24.95	29.30	38.47	40	38.49	23.39	30.56	38.47
50	38.56	24.99	29.36	38.55	50	38.56	23.44	30.62	38.55
+88 31 0	+38.63	+25.04	-29.42	+38.62	+88 31 0	-38.63	-23.48	+30.67	-38.62
10	38.70	25.08	29.47	38.69	10	38.70	23.53	30.73	38.69
20	38.78	25.13	29.53	38.76	20	38.78	23.58	30.79	38.76
30	38.85	25.18	29.59	38.84	30	38.85	23.62	30.84	38.84
40	38.92	25.22	29.64	38.91	40	38.92	23.67	30.90	38.91
50	39.00	25.27	29.70	38.98	50	39.00	23.71	30.96	38.98
+88 32 0	+39.07	+25.32	-29.76	+39.06	+88 32 0	-39.07	-23.76	+31.02	-39.06
10	39.14	25.36	29.82	39.13	10	39.14	23.81	31.07	39.13
20	39.22	25.41	29.87	39.21	20	39.22	23.85	31.13	39.21
30	39.29	25.46	29.93	39.28	30	39.29	23.90	31.19	39.28
40	39.37	25.50	29.99	39.36	40	39.37	23.95	31.24	39.36
50	39.44	25.55	30.05	39.43	50	39.44	23.99	31.30	39.43
+88 33 0	+39.52	+25.60	-30.11	+39.51	+88 33 0	-39.52	-24.04	+31.36	-39.51
10	39.59	25.64	30.17	39.58	10	39.59	24.09	31.42	39.58
20	39.67	25.69	30.23	39.66	20	39.67	24.14	31.48	39.66
30	39.75	25.74	30.29	39.73	30	39.75	24.18	31.54	39.73
40	39.82	25.79	30.35	39.81	40	39.82	24.23	31.60	39.81
50	39.90	25.84	30.41	39.89	50	39.90	24.28	31.66	39.89
+88 34 0	+39.98	+25.89	-30.47	+39.97	+88 34 0	-39.98	-24.33	+31.72	-39.97
10	40.06	25.94	30.53	40.04	10	40.06	24.38	31.78	40.04
20	40.13	25.98	30.59	40.12	20	40.13	24.43	31.84	40.12
30	40.21	26.03	30.65	40.20	30	40.21	24.48	31.90	40.20
40	40.29	26.08	30.71	40.28	40	40.29	24.53	31.96	40.28
50	40.37	26.13	30.77	40.36	50	40.37	24.58	32.03	40.36
+88 35 0	+40.45	+26.18	-30.83	+40.44	+88 35 0	-40.45	-24.63	+32.09	-40.44
10	40.53	26.23	30.89	40.52	10	40.53	24.68	32.15	40.52
20	40.61	26.28	30.96	40.60	20	40.61	24.73	32.21	40.60
30	40.69	26.33	31.02	40.68	30	40.69	24.78	32.27	40.68
40	40.77	26.38	31.08	40.76	40	40.77	24.83	32.34	40.76
50	40.85	26.43	31.14	40.84	50	40.85	24.88	32.40	40.84
+88 36 0	+40.93	+26.48	-31.21	+40.92	+88 36 0	-40.93	-24.93	+32.46	-40.92
10	41.01	26.54	31.27	41.00	10	41.01	24.98	32.53	41.00
20	41.09	26.59	31.33	41.08	20	41.09	25.03	32.59	41.08
30	41.17	26.64	31.40	41.16	30	41.17	25.08	32.65	41.16
40	41.26	26.69	31.46	41.24	40	41.26	25.13	32.72	41.24
50	41.34	26.74	31.53	41.33	50	41.34	25.19	32.78	41.33
+88 37 0	+41.42	+26.79	-31.59	+41.41	+88 37 0	-41.42	-25.24	+32.85	-41.41
10	41.51	26.85	31.66	41.49	10	41.51	25.29	32.91	41.49
20	41.59	26.90	31.72	41.58	20	41.59	25.34	32.98	41.58
30	41.67	26.95	31.79	41.66	30	41.67	25.40	33.04	41.66
40	41.76	27.00	31.85	41.75	40	41.76	25.45	33.11	41.75
50	41.84	27.06	31.92	41.83	50	41.84	25.50	33.17	41.83
+88 38 0	+41.93	+27.11	-31.98	+41.92	+88 38 0	-41.93	-25.56	+33.24	-41.92
10	42.01	27.16	32.05	42.00	10	42.01	25.61	33.31	42.00
20	42.10	27.22	32.12	42.09	20	42.10	25.66	33.37	42.09
30	42.18	27.27	32.18	42.17	30	42.18	25.72	33.44	42.17
40	42.27	27.33	32.25	42.26	40	42.27	25.77	33.51	42.26
50	42.36	27.38	32.32	42.35	50	42.36	25.83	33.57	42.35
+88 39 0	+42.45	+27.44	-32.39	+42.43	+88 39 0	-42.45	-25.88	+33.64	-42.43
10	42.53	27.49	32.45	42.52	10	42.53	25.94	33.71	42.52
20	42.62	27.55	32.52	42.61	20	42.62	25.99	33.78	42.61
30	42.71	27.60	32.59	42.70	30	42.71	26.05	33.85	42.70
40	42.80	27.66	32.66	42.79	40	42.80	26.10	33.92	42.79
50	42.89	27.71	32.73	42.87	50	42.89	26.16	33.99	42.87
+88 40 0	+42.98	+27.77	-32.80	+42.96	+88 40 0	-42.98	-26.21	+34.06	-42.96

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+88° 40' 0''	+42.98	+27.77	-32.80	+42.96	+88° 40' 0''	-42.98	-26.21	+34.06	-42.96
10	43.07	27.83	32.87	43.05	10	43.07	26.27	34.12	43.05
20	43.16	27.88	32.94	43.14	20	43.16	26.33	34.19	43.14
30	43.25	27.94	33.01	43.23	30	43.25	26.38	34.27	43.23
40	43.34	27.99	33.08	43.33	40	43.34	26.44	34.34	43.33
50	43.43	28.05	33.15	43.42	50	43.43	26.50	34.41	43.42
+88 41 0	+43.52	+28.11	-33.22	+43.51	+88 41 0	-43.52	-26.56	+34.48	-43.51
10	43.61	28.17	33.29	43.60	10	43.61	26.61	34.55	43.60
20	43.70	28.23	33.37	43.69	20	43.70	26.67	34.62	43.69
30	43.80	28.29	33.44	43.79	30	43.80	26.73	34.69	43.79
40	43.89	28.34	33.51	43.88	40	43.89	26.79	34.77	43.88
50	43.98	28.40	33.58	43.97	50	43.98	26.85	34.84	43.97
+88 42 0	+44.08	+28.46	-33.66	+44.07	+88 42 0	-44.08	-26.91	+34.91	-44.07
10	44.17	28.52	33.73	44.16	10	44.17	26.97	34.99	44.16
20	44.27	28.58	33.80	44.26	20	44.27	27.02	35.06	44.26
30	44.36	28.64	33.88	44.35	30	44.36	27.08	35.13	44.35
40	44.46	28.70	33.95	44.45	40	44.46	27.14	35.21	44.45
50	44.55	28.76	34.03	44.54	50	44.55	27.20	35.28	44.54
+88 43 0	+44.65	+28.82	-34.10	+44.64	+88 43 0	-44.65	-27.27	+35.36	-44.64
10	44.75	28.88	34.18	44.74	10	44.75	27.33	35.43	44.74
20	44.84	28.94	34.25	44.83	20	44.84	27.39	35.51	44.83
30	44.94	29.00	34.33	44.93	30	44.94	27.45	35.58	44.93
40	45.04	29.07	34.40	45.03	40	45.04	27.51	35.66	45.03
50	45.14	29.13	34.48	45.13	50	45.14	27.57	35.74	45.13
+88 44 0	+45.24	+29.19	-34.56	+45.23	+88 44 0	-45.24	-27.64	+35.82	-45.23
10	45.34	29.25	34.64	45.33	10	45.34	27.70	35.89	45.33
20	45.44	29.32	34.71	45.43	20	45.44	27.76	35.97	45.43
30	45.54	29.38	34.79	45.53	30	45.54	27.82	36.05	45.53
40	45.64	29.44	34.87	45.63	40	45.64	27.89	36.13	45.63
50	45.74	29.51	34.95	45.73	50	45.74	27.95	36.20	45.73
+88 45 0	+45.84	+29.57	-35.03	+45.83	+88 45 0	-45.84	-28.01	+36.28	-45.83
10	45.94	29.63	35.11	45.93	10	45.94	28.08	36.36	45.93
20	46.04	29.70	35.19	46.03	20	46.04	28.14	36.44	46.03
30	46.15	29.76	35.27	46.14	30	46.15	28.21	36.52	46.14
40	46.25	29.83	35.35	46.24	40	46.25	28.27	36.60	46.24
50	46.36	29.89	35.43	46.34	50	46.36	28.34	36.68	46.34
+88 46 0	+46.46	+29.96	-35.51	+46.45	+88 46 0	-46.46	-28.40	+36.77	-46.45
10	46.56	30.02	35.59	46.55	10	46.56	28.47	36.85	46.55
20	46.67	30.09	35.68	46.66	20	46.67	28.54	36.93	46.66
30	46.78	30.16	35.76	46.76	30	46.78	28.60	37.01	46.76
40	46.88	30.22	35.84	46.87	40	46.88	28.67	37.10	46.87
50	46.99	30.29	35.92	46.98	50	46.99	28.74	37.18	46.98
+88 47 0	+47.10	+30.36	-36.00	+47.09	+88 47 0	-47.10	-28.80	+37.26	-47.09
10	47.20	30.43	36.09	47.19	10	47.20	28.87	37.34	47.19
20	47.31	30.50	36.17	47.30	20	47.31	28.94	37.43	47.30
30	47.42	30.56	36.26	47.41	30	47.42	29.01	37.51	47.41
40	47.53	30.63	36.34	47.52	40	47.53	29.08	37.60	47.52
50	47.64	30.70	36.43	47.63	50	47.64	29.14	37.68	47.63
+88 48 0	+47.75	+30.77	-36.51	+47.74	+88 48 0	-47.75	-29.21	+37.77	-47.74
10	47.86	30.84	36.60	47.85	10	47.86	29.28	37.86	47.85
20	47.97	30.91	36.69	47.96	20	47.97	29.35	37.94	47.96
30	48.08	30.98	36.77	48.07	30	48.08	29.42	38.03	48.07
40	48.20	31.05	36.86	48.19	40	48.20	29.49	38.12	48.19
50	48.31	31.12	36.95	48.30	50	48.31	29.56	38.20	48.30
+88 49 0	+48.42	+31.19	-37.04	+48.41	+88 49 0	-48.42	-29.64	+38.29	-48.41
10	48.54	31.26	37.13	48.53	10	48.54	29.71	38.38	48.53
20	48.65	31.34	37.22	48.64	20	48.65	29.78	38.47	48.64
30	48.77	31.41	37.31	48.76	30	48.77	29.85	38.56	48.76
40	48.88	31.48	37.40	48.87	40	48.88	29.92	38.65	48.87
50	49.00	31.55	37.49	48.99	50	49.00	30.00	38.74	48.99
+88 50 0	+49.11	+31.63	-37.58	+49.10	+88 50 0	-49.11	-30.07	+38.83	-49.10

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+88° 50' 0''	+49.11	+31.63	-37.58	+49.10	+88° 50' 0''	-49.11	-30.07	+38.83	-49.10
10	49.23	31.70	37.67	49.22	10	49.23	30.14	38.92	49.22
20	49.35	31.78	37.76	49.34	20	49.35	30.22	39.02	49.34
30	49.47	31.85	37.85	49.46	30	49.47	30.29	39.11	49.46
40	49.59	31.92	37.94	49.58	40	49.59	30.37	39.20	49.58
50	49.71	32.00	38.04	49.70	50	49.71	30.44	39.29	49.70
+88 51 0	+49.83	+32.07	-38.13	+49.82	+88 51 0	-49.83	-30.52	+39.38	-49.82
10	49.95	32.15	38.22	49.94	10	49.95	30.59	39.48	49.94
20	50.07	32.23	38.32	50.06	20	50.07	30.67	39.57	50.06
30	50.19	32.30	38.41	50.18	30	50.19	30.75	39.67	50.18
40	50.31	32.38	38.51	50.30	40	50.31	30.82	39.76	50.30
50	50.43	32.46	38.60	50.42	50	50.43	30.90	39.86	50.42
+88 52 0	+50.56	+32.54	-38.70	+50.55	+88 52 0	-50.56	-30.98	+39.96	-50.55
10	50.68	32.61	38.80	50.67	10	50.68	31.06	40.05	50.67
20	50.81	32.69	38.89	50.80	20	50.81	31.13	40.15	50.80
30	50.93	32.77	38.99	50.92	30	50.93	31.21	40.25	50.92
40	51.06	32.85	39.09	51.05	40	51.06	31.29	40.34	51.05
50	51.19	32.93	39.19	51.18	50	51.19	31.37	40.44	51.18
+88 53 0	+51.31	+33.01	-39.29	+51.30	+88 53 0	-51.31	-31.45	+40.54	-51.30
10	51.44	33.09	39.39	51.43	10	51.44	31.53	40.64	51.43
20	51.57	33.17	39.49	51.56	20	51.57	31.61	40.74	51.56
30	51.70	33.25	39.59	51.69	30	51.70	31.70	40.84	51.69
40	51.83	33.33	39.69	51.82	40	51.83	31.78	40.94	51.82
50	51.96	33.42	39.79	51.95	50	51.96	31.86	41.05	51.95
+88 54 0	+52.09	+33.50	-39.89	+52.08	+88 54 0	-52.09	-31.94	+41.15	-52.08
10	52.22	33.58	39.99	52.21	10	52.22	32.02	41.25	52.21
20	52.35	33.66	40.10	52.35	20	52.35	32.11	41.35	52.35
30	52.49	33.75	40.20	52.48	30	52.49	32.19	41.46	52.48
40	52.62	33.83	40.30	52.61	40	52.62	32.28	41.56	52.61
50	52.76	33.92	40.41	52.75	50	52.76	32.36	41.67	52.75
+88 55 0	+52.89	+34.00	-40.52	+52.88	+88 55 0	-52.89	-32.44	+41.77	-52.88
10	53.03	34.09	40.62	53.02	10	53.03	32.53	41.88	53.02
20	53.16	34.17	40.73	53.15	20	53.16	32.62	41.98	53.15
30	53.30	34.26	40.83	53.29	30	53.30	32.70	42.09	53.29
40	53.44	34.34	40.94	53.43	40	53.44	32.79	42.20	53.43
50	53.58	34.43	41.05	53.57	50	53.58	32.88	42.31	53.57
+88 56 0	+53.72	+34.52	-41.16	+53.71	+88 56 0	-53.72	-32.96	+42.41	-53.71
10	53.86	34.61	41.27	53.85	10	53.86	33.05	42.52	53.85
20	54.00	34.70	41.38	53.99	20	54.00	33.14	42.63	53.99
30	54.14	34.79	41.49	54.13	30	54.14	33.23	42.74	54.13
40	54.28	34.88	41.60	54.27	40	54.28	33.32	42.85	54.27
50	54.43	34.97	41.71	54.42	50	54.43	33.41	42.97	54.42
+88 57 0	+54.57	+35.06	-41.82	+54.56	+88 57 0	-54.57	-33.50	+43.08	-54.56
10	54.72	35.15	41.93	54.71	10	54.72	33.59	43.19	54.71
20	54.86	35.24	42.05	54.85	20	54.86	33.68	43.30	54.85
30	55.01	35.33	42.16	55.00	30	55.01	33.77	43.42	55.00
40	55.15	35.42	42.28	55.14	40	55.15	33.87	43.53	55.14
50	55.30	35.52	42.39	55.29	50	55.30	33.96	43.65	55.29
+88 58 0	+55.45	+35.61	-42.51	+55.44	+88 58 0	-55.45	-34.05	+43.76	-55.44
10	55.60	35.70	42.62	55.59	10	55.60	34.15	43.88	55.59
20	55.75	35.80	42.74	55.74	20	55.75	34.24	44.00	55.74
30	55.90	35.89	42.86	55.89	30	55.90	34.34	44.11	55.89
40	56.05	35.99	42.98	56.04	40	56.05	34.43	44.23	56.04
50	56.21	36.08	43.09	56.20	50	56.21	34.53	44.35	56.20
+88 59 0	+56.36	+36.18	-43.21	+56.35	+88 59 0	-56.36	-34.62	+44.47	-56.35
10	56.51	36.28	43.33	56.51	10	56.51	34.72	44.59	56.51
20	56.67	36.37	43.46	56.66	20	56.67	34.82	44.71	56.66
30	56.83	36.47	43.58	56.82	30	56.83	34.92	44.83	56.82
40	56.98	36.57	43.70	56.97	40	56.98	35.02	44.96	56.97
50	57.14	36.67	43.82	57.13	50	57.14	35.11	45.08	57.13
+88 60 0	+57.30	+36.77	-43.94	+57.29	+88 60 0	-57.30	-35.21	+45.20	-57.29

δ	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ	δ S. P.	<i>C</i>	<i>B</i>	<i>A</i>	TAN δ
+89° 0' 0''	+57.30	+36.77	-43.94	+57.29	+89° 0' 0''	-57.30	-35.21	+45.20	-57.29
10	57.46	36.87	44.07	57.45	10	57.46	35.31	45.33	57.45
20	57.62	36.97	44.19	57.61	20	57.62	35.42	45.45	57.61
30	57.78	37.07	44.32	57.77	30	57.78	35.52	45.58	57.77
40	57.94	37.17	44.45	57.93	40	57.94	35.62	45.70	57.93
50	58.11	37.28	44.57	58.10	50	58.11	35.72	45.83	58.10
+89 1 0	+58.27	+37.38	-44.70	+58.26	+89 1 0	-58.27	-35.82	+45.96	-58.26
10	58.43	37.48	44.83	58.43	10	58.43	35.93	46.08	58.43
20	58.60	37.59	44.96	58.59	20	58.60	36.03	46.21	58.59
30	58.77	37.69	45.09	58.76	30	58.77	36.14	46.34	58.76
40	58.94	37.80	45.22	58.93	40	58.94	36.24	46.47	58.93
50	59.10	37.90	45.35	59.10	50	59.10	36.35	46.61	59.10
+89 2 0	+59.27	+38.01	-45.48	+59.27	+89 2 0	-59.27	-36.46	+46.74	-59.27
10	59.45	38.12	45.62	59.44	10	59.45	36.56	46.87	59.44
20	59.62	38.23	45.75	59.61	20	59.62	36.67	47.00	59.61
30	59.79	38.34	45.88	59.78	30	59.79	36.78	47.14	59.78
40	59.96	38.44	46.02	59.96	40	59.96	36.89	47.27	59.96
50	60.14	38.55	46.15	60.13	50	60.14	37.00	47.41	60.13
+89 3 0	+60.31	+38.66	-46.29	+60.31	+89 3 0	-60.31	-37.11	+47.55	-60.31
10	60.49	38.78	46.43	60.48	10	60.49	37.22	47.68	60.48
20	60.67	38.89	46.57	60.66	20	60.67	37.33	47.82	60.66
30	60.85	39.00	46.71	60.84	30	60.85	37.44	47.96	60.84
40	61.03	39.11	46.85	61.02	40	61.03	37.56	48.10	61.02
50	61.21	39.23	46.99	61.20	50	61.21	37.67	48.24	61.20
+89 4 0	+61.39	+39.34	-47.13	+61.38	+89 4 0	-61.39	-37.78	+48.38	-61.38
10	61.57	39.46	47.27	61.57	10	61.57	37.90	48.53	61.57
20	61.76	39.57	47.42	61.75	20	61.76	38.02	48.67	61.75
30	61.95	39.69	47.56	61.94	30	61.95	38.13	48.82	61.94
40	62.13	39.81	47.70	62.12	40	62.13	38.25	48.96	62.12
50	62.32	39.92	47.85	62.31	50	62.32	38.37	49.11	62.31
+89 5 0	+62.51	+40.04	-48.00	+62.50	+89 5 0	-62.51	-38.49	+49.25	-62.50
10	62.70	40.16	48.14	62.69	10	62.70	38.61	49.40	62.69
20	62.89	40.28	48.29	62.88	20	62.89	38.73	49.55	62.88
30	63.08	40.40	48.44	63.07	30	63.08	38.85	49.70	63.07
40	63.27	40.52	48.59	63.27	40	63.27	38.97	49.85	63.27
50	63.47	40.65	48.75	63.46	50	63.47	39.09	50.00	63.46
+89 6 0	+63.66	+40.77	-48.90	+63.66	+89 6 0	-63.66	-39.21	+50.15	-63.66
10	63.86	40.89	49.05	63.85	10	63.86	39.34	50.31	63.85
20	64.06	41.02	49.21	64.05	20	64.06	39.46	50.46	64.05
30	64.26	41.14	49.36	64.25	30	64.26	39.59	50.62	64.25
40	64.46	41.27	49.52	64.45	40	64.46	39.71	50.77	64.45
50	64.66	41.40	49.68	64.65	50	64.66	39.84	50.93	64.65
+89 7 0	+64.87	+41.52	-49.83	+64.86	+89 7 0	-64.87	-39.97	+51.09	-64.86
10	65.07	41.65	49.99	65.06	10	65.07	40.10	51.25	65.06
20	65.28	41.78	50.15	65.27	20	65.28	40.23	51.41	65.27
30	65.48	41.91	50.31	65.48	30	65.48	40.36	51.57	65.48
40	65.69	42.04	50.48	65.68	40	65.69	40.49	51.73	65.68
50	65.90	42.18	50.64	65.89	50	65.90	40.62	51.90	65.89
+89 8 0	+66.11	+42.31	-50.80	+66.11	+89 8 0	-66.11	-40.75	+52.06	-66.11
10	66.33	42.44	50.97	66.32	10	66.33	40.89	52.22	66.32
20	66.54	42.58	51.14	66.53	20	66.54	41.02	52.39	66.53
30	66.75	42.71	51.30	66.75	30	66.75	41.16	52.56	66.75
40	66.97	42.85	51.47	66.96	40	66.97	41.29	52.73	66.96
50	67.19	42.98	51.64	67.18	50	67.19	41.43	52.90	67.18
+89 9 0	+67.41	+43.12	-51.81	+67.40	+89 9 0	-67.41	-41.57	+53.07	-67.40
10	67.63	43.26	51.98	67.62	10	67.63	41.71	53.24	67.62
20	67.85	43.40	52.16	67.85	20	67.85	41.84	53.41	67.85
30	68.08	43.54	52.33	68.07	30	68.08	41.99	53.59	68.07
40	68.30	43.68	52.51	68.29	40	68.30	42.13	53.76	68.29
50	68.53	43.83	52.68	68.52	50	68.53	42.27	53.94	68.52
+89 10 0	+68.76	+43.97	-52.86	+68.75	+89 10 0	-68.76	-42.41	+54.12	-68.75

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